<210> 2548
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (201)...(297)
<223> similar to gi1665819 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2548
```
gctggcctta gcccaggccc atcagattgc tcagaatctc caccaccact tgcattagtt      60
gaggcgactc ccagtttatt tctctaagat tggatgggtg gatttcatat taaaaaaaaa     120
tttggctagt tcttttggaa catattgtaa acagctatgg ttttccaaag ggcaggaatg     180
tattcattca ttgttctctt tctcccatct cacagaataa agcccttttc caccaattca     240
gtcttaagga gaactggctc cagcatagag gaactgtgac tgaaacggag gaaagtgagt     300
atggtttgaa gtgagggttt gggggtgggc agcagttagc caccattttt ctcctacatt     360
ggcatatcag cctgactaac cttcatttcc agctgtcacc cctcagataa gcacgttagc     420
ctcaaacagc atggtttttc ttttctttat ttgagcatta tggttttctt agatcacata     480
atactgtccc aagcaccaag gatacttata atttgggaag caaggaaagg agacaatgcc     540
tagagcctcc ttgcattctt gagaagaggt aaaaatgaac gggagactca gccttttcct     600
cctagaacca tctcctccct gccttcatca gcccattgtc tatgactaac tggaaggatc     660
accanagtca atgtgcagat ttgggctgag tcagtccatg actcagtcca cgagaagaan     720
actctgtgga gagaaggctg tacngtaaaa                                     750
```


<210> 2549
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (168)...(321)
<223> similar to gi1732065 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2549
```
aattcccggg tcgaggatgc ccccaaagcc cagaccgggc ctccccgggt ggacaaggtt      60
ggtggtcctg cctgtgccag cctgacagca cccatggggc accgggatgg ggaccaagcc     120
ctgtgagagg catcggggag ggtgctgggc ccgggcgctg tactcacccg caccctctgc     180
```

```
agatgaccca gtgctacttt gagggggct accaggagac ccctgtgtac ctgctggcag    240
agctgggcta tgggcacaag ctccatgggc cctgcctcat catcgacagt aacaggtggg    300
ctgaagtccg gccagggtgg aggatgtgga cgggtccact gcggggcccc tggtgcaggg    360
ttctctggcc caaggctgca ggggcctgca ggactctgta tcccaccatc gatggggtgg    420
```

        <210> 2550
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(307)
        <223> similar to gi200964 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2550
```
tgtggttgtg gaagttgcgg tggctgtggt ggccgctgcg gtggtggctg tggtggtggc     60
tgcagtggtg gctgcggtgg tggctgcggt ggtggctgtg gtggtggctg tggcagctgc    120
accacctgca ggtgctaccg ggtgggctgc tgctccagct gctgcccctg ctgccgcggc    180
tgctgtggag gctgctgcag cactcccgtg atctgctgct gccgccgcac ctgcggctcg    240
tgtggctgtg gctatgggaa gggctgttgc caacagaaat gctgctgcca gaagcaatgc    300
tgctgctagg cgggcccccg gcctctgggc aggggctgca ggtatctgcc ctgtaggtaa    360
gactcccatc cttcccatcc tgtctggtct ccccctcctc tgtggtcttg a             411
```

        <210> 2551
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (25)...(340)
        <223> similar to gi5689447 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2551
```
aagatcccca gccgggggtat taccctgaag gccgccacca agcaagcgat gctgtactgg     60
ctgcagcagc tgcagatgaa gcgctgggaa ttccacaaca gcccgccggc acctcctgcc    120
acccctgatg ccgccctggc tgggaatggg cccgtcctgc acctcgagct agggcaagaa    180
gaggcagagc tggaggagtt cctgtgccct gtgaaaacac cccctgggct agtgggcgtg    240
gcagctgcct tgcagcccctt ccctgccctt cagaatattt ccctcaagca cctggggact    300
gaaatacaga acacaatgca caacatccgt ggcaacaagc aggcccaggg aacaggccat    360
```

```
<210> 2552
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(580)
<223> similar to gi2801403 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 2552
cccgggtcga cccacgcgtc cgctttgaca gcctggccgc tgccaataga gccatctgtc    60
acatgaatgg agtgcggctc aacaaccgcc aggtgtatgt tggcagattc aaattcccag   120
aagagcgggc ggctgaggtc agaaccaggg atagagcaac tttcaccaat gttttcgtta   180
aaaacattgg agacgacata gatgacgaaa aactgaagga acttttctgt gaatatgggc   240
caactgagag tgttaaagta ataagagatg ccagtgggaa atctaaaggc tttggatttg   300
tgagatatga gacacacgag gctgcccaaa aggctgtgct agacttgcat ggaaagtcca   360
tcgatggaaa agtcctctat gtagggcgag cacagaagaa aattgaacgc ctggctgagt   420
tgaggcggag atttgaacgg ctgaggttaa aagaaaaaag tcggccccca ggggtgccta   480
tctatattaa gaacttggat gagacaatca atgatgaaaa actgaaggag gaattttctt   540
cctttgggtc aattaatccg gccaaagtga tgatggg                            577
```

```
<210> 2553
<211> 2115
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2116)
<223> similar to gi3165406 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 2553
gatctgtgcg tggggatgt ggtctgtctc cgcaaggaca acatcgtccc agccgacatg    60
ctcttgctgg ccagcacgga gcccagcagc ctgtgctatg tggagacggt ggacattgac   120
ggggagacca acttgaagtt cagacaggcc ctgatggtca cccacaaaga actggccact   180
ataaagaaga tggcgtcctt tcaaggcaca gtgacgtgtg aggcgcctaa cagtcggatg   240
caccacttcg tggggtgcct ggaatggaat gacaagaaat actccctgga cattggcaac   300
ctcctcctcc gaggctgcag gattcgcaac acagacacct gctatggact ggtcatttat   360
```

```
gctggttttg acacaaaaat tatgaagaac tgtggcaaga tccatttgaa gagaaccaag    420
ctggacctcc tgatgaacaa gctggtggtt gtgatcttca tctccgtggt gcttgtctgc    480
ctggtgttgg ccttcggctt cggtttctca gtcaaagaat tcaaagacca ccactactac    540
ctctcggggg tgcatgggag cagcgtggcc gcagagtcct tcttcgtctt ctggagcttc    600
ctcatcctgc tcagcgtcac catcccgatg tccatgttca tcctgtccga gttcatctac    660
ctggggaaca gcgtcttcat cgactgggac gtgcagatgt actacaagcc gcaggacgtg    720
cctgccaagg cccgcagcac cagcctcaac gaccacctgg gccaggtgga atacatcttc    780
tcggacaaga cgggcacgct cacgcagaac atcttgacct caacaagtg ctgcatcagc    840
ggccgcgtct atggtgaacc cctacctctg gaacaagttc gccgacggga agctgctctt    900
ccacaatgcg gccctgctgc acctcgtgcg gaccaacggg gacgaggccg tgcgggagtt    960
ctggcgcctg ctggccatct gccacacggt gatgaccagc tgttgtacca ggcggcctcc   1020
cccgacgagg gggcgctggt caccgcagcc cggaacttcg gctacgtgtt cctgtcccgc   1080
acccaggaca ccgtcacgat catggagctg ggggaggaac gggtctacca ggtcctggcc   1140
ataatggact tcaacagcac gcgcaaacgg atgtcggtgc tggttcgaaa gccagagggc   1200
gccatctgcc tgtacaccaa gggcgccgac acggtcatct tcgaacgctt gcacaggagg   1260
ggggcaatgg aatttgccac agaggaggcc ttggctgcct ttgcccagga gaccctgcgg   1320
acactgtgcc tggcctacag ggaggtggct gaggacattt acgaggactg gcagcagcgc   1380
caccaggagg ccagcctcct gctgcagaac cgggcacagg ccctgcaaca ggtgtacaac   1440
gagatggagc aggacctcag gctgctggga gccacagcca tcgaggacag actccaggac   1500
ggtgtccctg aaaccatcaa atgtctcaag aagagcaaca tcaaaatatg ggtgctcacc   1560
ggggacaagc aggaaacggc tgtgaacatc ggcttcgcct gcgagctgct gtcagagaat   1620
atgctcattc tggaggagaa ggagattagc cgcatcctgg agacctactg ggaaaacagt   1680
aacaaccttc taaccaggga gtccctgtcg caggtcaagc tggccttggt cattaacgga   1740
gacttcctgg acaaactgct ggtgtccctg cggaaggagc cgcgcgccct ggcgcagaac   1800
gtgaacatgg acgaggcgtg gcaggagctc ggccagtcca ggagggattt cctctacgcc   1860
aggcgcctgt ccctgctgtg ccggaggttc gggctcccgc tggctgcacc gccagcccag   1920
gactccagag cccgccgtag ctccgaggtg ctgcaggagc gcgccttcgt ggacctggcg   1980
tccaagtgcc aggcggtcat ctgctgccgc gtgacgccca agcagaaggc cctgatcgtg   2040
gccctggtca agaagtacca ccaggtggtg accctggcca tcggggacgg tgccaacgac   2100
atcaacatga tcaag                                                    2115
```

```
<210> 2554
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(218)
<223> similar to gi1504014 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 2554
tcctctagag cggccgctcg cgatctctga ctcctccagc tggacacatc tctccctggg     60
gcggggggtgg tctgtgtcca gctggaggag tcagagttca cctgtgcggc agccgtgaaa    120
gcacggaaag caatggaggt ggagatcgaa gacctgcacc tgcagattga tgacatcgcc    180
aaagccaaga cagcggtgag gggccaaggt gcccggggca gagctcgggg ggctgaggca    240
gaatagagct gcctctgtgg ctcccttcac cctagacagg tccctccacg tcaggacttg    300
tgacaggtcc tttcacgcca ggacttgctg caggaagagc gggcctcccc tcctctgcgt    360
ctctccacac tgagcagagg cctcggggag gagcgggcag aagagggagc cagcaagg     418
```

```
<210> 2555
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(435)
<223> similar to gi1488047 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2555
ccagcaggtg aagcactgtc gtcagtcccg gggcccaggc gggcccccggc cagctttgag      60
ctctggccag gtgcaatgtg cccagagctt ccaggccggg caccactact gggaggtgcg     120
cgcgtcagac cactcggtga cactgggcgt ctcctacccg caactgccac ggtgcaggct     180
ggggccccac acagacaaca ttggccgggg accctgctcc tggggggctct gcgtccagga     240
ggacagcctc caggcctggc acaacgggga agcccagcgc ctcccagggg tgtcagggcg     300
gctcctgggc atggatttgg acctggcctc aggctggctc accttttaca gcctggagcc     360
ccagacccag cccctgtaca ccttccatgc cctcttcaac cagcccctca ccccccgtctt     420
ctggctcctc gacccggaag ttgcggaa                                          448
```

```
<210> 2556
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(855)
<223> similar to gi309209 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2556
gaatccacgc gtcgtcccac gcgtccgcgg tggatgaagt gaacccaccg ccactttct      60
tcctcccccac gcagtgcgtg tcagcggggt gggtctggcc cgggctcact ttgagaagca     120
gccgccttcc aatctgcgga aatccaactt cttccacttc gtcctggccc tctacgacag     180
acagggccag cccgtggaga tcgagaggac agcgtttgtg gggttcgtgg agaaggaaaa     240
agaagccaac agcgaaaaga ccaataacgg aattcactac cggcttcagc ttctctacag     300
caatgggata aggacggagc aggatttcta cgtgcgcctc attgactcca tgacaaaaca     360
agccatagtg tatgaaggcc aagacaagaa cccagaaatg tgccgagtct tgctcacaca     420
tgagatcatg tgcagccgct gttgtgacaa gaaaagctgt ggcaaccgaa atgagactcc     480
ctcagatcca gtgataattg acaggttctt cttgaaattt ttcctcaaat gtaaccaaaa     540
```

```
ttgcctaaag aatgcgggaa acccacgtga catgcggaga ttccaggtcg tggtgtctac    600
gacagtcaat gtggatggcc atgtcctggc agtctctgat aacatgtttg tccataataa    660
ttccaagcat gggcggaggg ctcggaggct tgacccctcg gaaggtacgc cctcttatct    720
ggaacatgca gctactccct gtatcaaagc catcagcccg agtgaaggat ggacgacggg    780
aggtgcgact gtgatcatca taggggacaa tttctttgat gggttacagg tcatattcgg    840
taccatgctg gtc                                                       853
```

        <210> 2557
        <211> 392
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (131)...(259)
        <223> similar to gi3327116 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2557
```
gcgcccacgc gtccgggaga gctggagaaa caggaagcca gcctgtttgg caggaggcca     60
gaggtgtgtc cagtgggtga agtgtggctt tgggggaatg ctgacctaac cttactcgac    120
caacttctag ttctcaggtc ctagtgcgga gcagatgtgt aagacctact cggagttctg    180
cagccgccac agcaaggcct taaagctcta taaggagctg tacgcccgag acaaacgctt    240
ccagcaattc atccgggtga gcggacctct ccagatccca tgctcatggc ccaaacccac    300
cctccccaac tcatgggggt agtgcctgtg agctgcaccc acatggaggt caggcattcg    360
ccacccgtgc agaccatcca tacacagatc ct                                  392
```

        <210> 2558
        <211> 881
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (707)...(817)
        <223> similar to gi1747316 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2558
```
ttttacaatt caattttttt attcataagg ttgtacagcc aacatcactg tttaattcca     60
gaacattttc aacatctcaa aaagaaactc tgcaccatt agcagtcatt ccctgtagct    120
tccctcatag gcaatggcaa ctgctgatct gctgaatagg aatcatataa tatgtgagga    180
aatgtttagt ttttaaagtt acacaggata attccaatgt gcagccagaa tacagaacca    240
```

```
ttattcatca gatggcatta ttaaggactc cgcctgcaat gagattttgt ggattattga    300
gtaagagcca agggaccctt ccccctaggg tttttggggc ctggatggct gtgtatttga    360
gggggagacc gaagccagta gaagtaatca gatgatccac tgcttagtgc agcagcagct    420
tctcccattg gtgtgggtgg gtaggccaca tgcctggaga aacacacccc ctcagagctc    480
tcatggctgt catgggggat gcagagggac aggcatagct cttgccctca aggtgtgtat    540
ggtctgtcag gaagatgaga aagtccatct gcattccttt tccccaccat gactcgggac    600
acgctcttgt ggtgcttttg tttgtcctct gtgattgaga aaccttgtcc ttgaggaggg    660
gggtttttgg actctggatc tggggttcat tgggcctttt tcctgcaggt ggcgggaaat    720
gtttttaaa gtgaagaaaa cagttgggga agctccagat ggaccagcca gtgcctactt    780
ggccgacacc acccatacct ccttgtacat ggtgaggccc caaggatggg tgtagaccag    840
cgcagggggt agaaacgatt tttcggacgc gtgggtcgac c                        881
```

```
<210> 2559
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(235)
<223> similar to gi34041 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2559
tcccgggtcg acgatttcgt gctgccgcca aggggggctt cagtggctgc tcagctgtgc     60
tctcagggggg cagctcatcc tccttccggg cagggagcaa agggctcagt ggggggctttg    120
gcagccggag cctctacagc ctggggggtg tccggagcct caatgtggcc agtggcagcg    180
ggaagagtgg aggctatgga tttggccggg gccgattcca gctcactggg gatcc         235
```

```
<210> 2560
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(510)
<223> similar to gi3868778 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2560
acccatggcc gcccacattc ccgggtcgag aatttaggga acgacaagct cgagagcgtg     60
actatgctga aattcaagat tttcatcgga catttggctg tgatgatgag ttaatgtatg    120
```

```
ggggagtttc ttcttatgaa ggttccatgg ctctcaacgc tagacctcag agcccacgag    180
aagggcatat gatggatgct ttgtatgccc aagtcaagaa gccgcggaat tccaaaccct    240
cacctgtaga cagtaacaga tcaactccta gcaatcatga tcggatacag cgtctgaggc    300
aagaatttca gcaagcaaag caagatgaag atgtagaaga tcgtcggcgg acctatagtt    360
ttgagcaacc ctggccgaac gcacggccgg cgacgcagag cgggcgacac tcggtgtccg    420
tggaggtgca gatgcagcgg cagcggcagg aggagcgcga gagctcccag caggcccagc    480
gccagtacag ctttctgcct cggcaaaggc                                      510
```

```
        <400> 2561
ccggaattcc cgggtcgaga ccaagagaat gatgtcgggg ataagcagtc ggctgtgaag     60
atgaagatgt ttgggaagct cacccgagac acgtttgagt ggcaccctga caagcttcta    120
tgtaagagat ttaatgtccc tgacccttat ccagattcaa ctttagttgg cttaccaaga    180
gtgaagcgtg acaagtactc agtcttcaac tttctgacgc tcccagagac agcttccttg    240
cccaccactc aagcatcaag tgaaaaagta tcacagcacc gaggtcccga caaatcaaga    300
aaaccatcca gatgggatac ctctaaacac gaaaagaaag aagattccat tagtgaattt    360
ttaagtttgg ctagatcaaa agccgagcca cctaaacaac agtccagccc cttagtaaac    420
aaagaggaag agcatgcacc agaatcatcc gcaaatcaga cagtcaacaa agatgtggac    480
gcacaggctg aaggagaagg gagccgccca tccatggact tattcagggc catctttgcc    540
agttcctcag atgaaaagtc ctcatcctcc gaggatgagc aaggtgacag tgaagatgat    600
caggcaggct ctggggaggc caacttccaa agctcccaag acactgactt gggggaaaca    660
tcatctgtgg ctcacgctct tgtgccagca ccccaggagc cgccaccttc cttcccgata    720
caaaagatgc agatagatga aagagaagag ttcggcccgc ggctgcctcc cgtcttctgc    780
cccaatgctc gtcagacact tgaggttcct caaaaagaga aacataaaaa gaacaaagac    840
aagcacaagg ccaagaaaga gcacaggcgg aagaaagaga gaaaaagaa acacaggaag    900
cacaaacaca aaggcaaaaa aaaaa                                          925
```

```

Run with FASTXY 3.3t00, default parameters


<400> 2562
cagatgggcg tctagatggg actatattct ggagtctatg cctcataccc acattcagtg      60
gtttagcatt atgaattccc tggtcattgt tctcttctta tctggaatgg tagctatgat     120
tatgttacgg acactgcaca aagatattgc tagatataat cagatggact ctacggtaag     180
tggaaacatt ttagtcttta gtctgccaag gacactgttt attgttattt tgcaaaaagg     240
taaaataata gctttagaat ctgcttttaa aacattcttc aaaaaacaaa aacaaaaaca     300
aaaaaattct tctcaaaagt tatcttgaat tcacattttc aaataagaaa gtgatactta     360
agaattaata ttcttggctg ggcgcggtgg ctcacacctg taatcccagc actttgggag     420
gccggggtgg gcggatcacc tgaggtcagg agttcaagac cagcctgacc aacatggtga     480
aacccccatct ctcctaaaaa cacaaaaatt agctgggtgt ggtggtgggg acctgtagcc     540
ccagctacct cgggaggctg aggcaggaga attgcttgaa cccaggaggc gg              592



<210> 2563
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(410)
<223> similar to gi34073 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2563
ccagggagaa cgagggggctc tggatgctga gttgaaggcc tgccgggacc aggaggagga      60
gtataagtcc aagtatgagg aggaggccca caggcgcgcc acacttgaga acgactttgt     120
ggtcctcaag aaggatgtgg atggggtttt cctgagcaag atggagttgg agggcaagct     180
ggaggctctg agagagtacc tctacttctt gaagcatctg aatgaagaag agctgggcca     240
gctccagacc caggccagcg acacgtctgt ggtgctgtcc atggacaaca accgctacct     300
ggacttcagc agcatcatca ctgaggtccg cgcccggtac gaggagatca cccggagcag     360
caaggctgag gctgaggcct tgtaccagat caagtaccag gaacttca                  408



<210> 2564
<211> 1210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (292)...(1202)
<223> similar to gi4115909 in the genepept database release 114,

1509

<400> 2564

```
cagcggcgtc agagcgtgtc tcgcctgctg ctccccgttt tcctccttga gccccccgcc   60
gagccggggc tggagccgcc ccctgaggag gaaggaggag agccggcggg ggtcgcggag   120
gagccgggca gcggggggcc ctgctggctg cagctggagg aggtgccggg gcccgggcct   180
ctcgggggag gggggcccct gcgctcccct tcctcctact catctgacga gctgtcccca   240
ggcgagccct tgacttcgcc gccctgggcc cctctgggcg ccccgagcg gcccgagcat   300
cttctgaacc gggttctgga gcggcttgct ggaggggcta ccagggacag cgccgcctca   360
gatatcctgc tggatgacat tgtccttacc cattctctct tcctcccgac ggagaaattt   420
ctgcaggagc tacaccagta ctttgttcgg gcaggaggca tggagggccc tgaagggctg   480
ggccggaagc aagcctgtct agccatgctt ctccatttct tggacaccta ccaggggctg   540
cttcaagagg aagagggggc cggccacatc atcaaggatc tatacctgct aattatgaag   600
gacgagtccc tttaccaggg cctccgagag gacactctga ggctgcacca gctggtggag   660
acggtggaac taaagattcc agaggagaac cagccaccca gcaagcaggt gaagccactc   720
ttccgccact tccgccggat agactcctgt ctgcagaccc gggtggcctt ccggggctct   780
gatgagatct tctgccgtgt atacatgcct gaccactctt atgtgaccat acgcagccgc   840
ctttcagcat ctgtgcagga cattctgggc tctgtgacgg agaaacttca atattcagag   900
gagcccgcgg ggcgtgagga ttccctcatc ctggtagctg tgtcctcctc tggagagaag   960
gtccttctcc agcccactga ggactgtgtt ttcaccgcac tgggcatcaa cagccacctg 1020
tttgcctgta ctcgggacag ctatgaggct ctggtgcccc tccccgagga gatccaggtc 1080
tcccctggag acacagagat ccaccgagtg gagcctgagg acgttgccaa ccacctaact 1140
gccttccact gggagctgtt ccgatgtgtg catgagctgg agttcgtgga ctacgtgttc 1200
cacggggagc   1210
```

<210> 2565
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(441)
<223> similar to gi1418942 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2565

```
agcgcagctt gcaggacgcg cagcgcctct tcttgatgag cgaggccgtg cagccggtga    60
cacccgagcc ctgtgtcacc caggacagcg tgcgcttctc acacctcgtg gtggacctgg   120
tgcaggctaa agacacgctc taccatgtac tctacattgg caccgagtcg ggcaccatcc   180
tgaaggcgct gtccacggcg agccgcagcc tccacggctg ctacctggag gagctgcacg   240
tgctgccccc cgggcgccgc gagcccctgc gcagcctgcg catcctgcac agcgcccgcg   300
cgctcttcgt ggggctgaga gacggcgtcc tgcgggtccc actggagagg tgcgccgcct   360
accgcagcca gggggcatgc ctggggggccc gggacccgta ctgtggctgg gacgggaagc   420
agcaacgttg cagcacac                                                  438
```

<210> 2566
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(558)
<223> similar to gi2088823 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2566
ggaattcccg ggtcgagact ctactccaat ccagacccgc acctgctgct gcgtcatctc   60
ggtctgggct ccttttcctt caagacccgg aaggaactgc agagttggaa ggcagagaat   120
gaagccttca ccctggctga cctgaagcaa ctgccggagc tgaacccacc agtgctgatg   180
cccagaggga atgtggggac tcccctgcgg gtcttttttgg agttgatccg ggcctgccgc   240
ctacccccctc ggatcatcac ccagctgcag ctccagttcc ccaagacagg ttcctcccgg   300
cgctacggca atgtgccttt tgagtatgag gactcagaga ctgtggagca ggaagagctt   360
gtgtatacag cagagggtga agaaataccc caaggaacct acctggcaga tataccagcc   420
agccctgtg gagagcctga ggaagaagtg gggaaggaag aggaagaaga gtctcactca   480
gatgaggacg atgaccgggg tgaggaatgg gaacggcatg aagcgctgca tgaggacgtg   540
accgggcagg agcggaccac tgacct   566

<210> 2567
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(409)
<223> similar to gi5689409 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2567
cttccattga gcggttcccc atcagcttta aaacctactt ctcaggaaac tactttcacc   60
acgttgtgct ggggatttac tgcaatggcc gctatggctc attgggcatg agccgcaggg   120
ctgagctgat ggacaagcca ttgacttttc ggactctgag tgacctcatc tttgactttg   180
aggactctta caagaaatac ctgcacacag tcaagaaggt caagattggg ctgtacgtcc   240
cccatgagcc tcatagcttc cagcccattg agtggaagca gctggtcctc aacgtctcaa   300
agatgctgag ggctgacata aggaaggagc tggagaaata tgccagggac atgagaatga   360
agatcctgaa acctgcaagt gcccactctc cgacccaagt gagaag   406

<210> 2568
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(475)
<223> similar to gi217399 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2568
cccagaatga ccgggtcgac ccacgcgtcc gcacccagct atggaggcag ctgcaggaac   60
aacttgtttt accgagaaga aacctacact ccaaaagctg agacggacga gatgaatgag   120
gtggaaacgg ctcccattcc tgaagaaaac catgtttggc tccaaccgag ggtgatgaga   180
cccaccaagc ccaagaaaac ctctgcggtc aactacatga cccaagtcgt cagatgtgac   240
accaagatga aggacaggtg catagggtcc acgtgtaaca ggtaccagtg cccagcaggc   300
tgcctgaacc acaaggcgaa gatctttgga agtctgttct atgaaagctt cgctagcata   360
tgccgcgccg ccatccacta cgggatcctg gatgacaagg gaggcctggt ggatatcacc   420
aggaacggga aggtcccctt cttcgtgaag tctgagagac acggcgtgca gtccctcagg   480
taactactct gtgatcgggg ctctgtgaaa cggttttcct gtttatgacg gtgttgttga   540
aattttgaaa aataccacac a   561

<210> 2569
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(114)
<223> similar to gi3219577 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2569
ntatccgtgc tgttggcaac tttaaggagc agacagtgat tgccgtcaag gcccctccgc   60
agacgagact ggaagtgccc gacaggaatg aggtgagagg ggaaatattt ggtggagagc   120
agggttgaga ccctgccagg gagcgttcca ggcggctctg cagactctgt ccctggcact   180
gcctagcccc atgctttgca ggcccattgt ggtgtccatg gcaatattgg tggnnnnnnn   240

```
nnnnnnnnnn nnnnnncaga agctggaaag ggcaacggag actgagtagt ggcctgagaa    300
aatctctgtt cctggtttct ttctgcatcc caccagccct gggttcctgc gcacatgcac    360
actcatgccc acgtatgacg gtgacaatac tcatgaaaat cctttcatgc tgaccgtgct    420
cggacgcgtg ggtctacccg gagttccggc gag                                 453
```

<210> 2570
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (19)...(462)
<223> similar to gi1632766 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 2570
```
gagtccggaa ttcgcgtggt agccaatgac agagcagata aaaatgctac tgcctatttt     60
gagggtcatc atttgaatgc tgagaatgct gctggtcacc agattgcctc cgaaacacag    120
atccttgagg attcttcgtt aatatctgta aagtcacagt gcagcacagg tgatgctcat    180
acagtcctga gtgagtctaa cagaaaagat gggcactgtg gaaattctaa caacaaatgt    240
gaagtaattc cagaaagcac cagtgcagta acaaacattc cacaggtgca gatggttgcc    300
atacaggtat cttggaacat aacacaccaa gaagtcaata ctgagccata taatcctttt    360
gagaaacaac aaggggaaat ttcacggatt gaaaaggagt accaagtatt acaagaccaa    420
cttaaagaag cgtatganaa ttatgagcag ataaaactta ag                       462
```

<210> 2571
<211> 1528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (909)...(1072)
<223> similar to gi35431 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 2571

```
cgggtccgcc agtagcattt ctgcagcaga tgtggggata ttcacagtaa gacggacacg     60
tccaagacca taaatagttg gtttttgccac cacgtggatg tcaaaaacac cttgctgtgt    120
ggggccactt ggaggtggga acagtgggcg tgtggacctg tcctgctgtg actttggtta    180
acaccctgag gtggagtctg aaaaaccccg gtgtacacgg gctcaagaac cgctcccctt    240
tctgataccg gagcgcattt cccagtggaa ccccagagca gcaactcagg ttcttgctcg    300
cctgtgcggc tttgtgtgcg gcttgccgag ggcagaaacg gcagcttccg cccggagagc    360
agagatgtgg cgtggggctg agtgtggccc accggtaatc cagctgcatg ccccccttccc   420
tgcctgcacc tgggcgccgc ctctgcacga tgaaggcggg catttggtgt ggtccttaca    480
gccgtgtgcc ccatcccact gatccttgcc tgcctgcaga aagctacagg attggctttg    540
cctttaagtg tcctgactgc cccggcctcc cttacctacc atgacacgcc gagagctgag    600
ctgtcccact cgtgactaac tcgccgttgc ctgcaacctg ctccgttgcc tgcctcacac    660
ccaccccgct gtgctgcctg caggcacccc cttttcatgag gacctgggct gtgcccaggc   720
ggcccccctgt gttgctgggg cctgtgctgc tctcgcacgg cctccagagc ctccctcggc    780
cccttgaccc gcatgaaccg gcttcccctg gtgactcagt cccctcccgt cccttcctgg    840
acctcagcac aggccctggg gctggcaggt gagcacccgg cacccccgct aaccgcttgg    900
ccctgctgct tcaggcttac aagagtgcgt gcgacatggc cgaggcacga ggccgccacc    960
aggagctttg catcccccctg tgtgtggtgc cggccacgat tagcaacaat gtcccaggca   1020
cagaaataag cctgggctcc gacactggcc tgaatgctgt tgttgaggta agagaacccc    1080
gtttcctctc gttgcttttc cgtcatttat tttagcaact tgtttcttct gtgctaagga    1140
tgagccggat ttattcttct tcttttctcc cctttgttag cttggctttta tgtcacactg    1200
gccagaacag ggtaaaattt ttttagcttc tctgccttag ggagagcctg tctttattga    1260
ttaaaagtga gatgatatat ccagtccttg ggatcgtgtt tctatcccac ctagactagg    1320
ggagccgcag gtaccattgc tctggaggct gcctctcctg cccacgctga gtagtgaggc    1380
tgcagggcca gctgtgggag cctgcaggaa ggggtgtaaa tgcccggtaa gtacgagctc    1440
caggacagag ccgtacccac tgggggccgc tgcctggaaa acagccttcc tggtgagaca    1500
agaggctctt tagagagccg aaatcact                                       1528
```

```
        <400> 2572
cttcacctat tcttccctcc tcctcagtca ccggcgcatt cactccgaca gccggccctt     60
cccctgcgtg gagtgtggga aaggcttcaa gcgcaagacc gccctggaag cccatcggtg    120
gatccaccgc tcctgcagcg agaggcgcgc gtggcagcag gccgtggtgg ggcgttcaga    180
gcccatccct gttttgggag gcaaggatcc cccagttcac ttccggcact ttccagatat    240
atttcaagag tgtgggtgat ggcgttcaca caaactggtc agcgtttccc tggagaggaa    300
gaggcaaggt ttgtgtattt gggggataag gaaaggaagt gggcgtttga ggaaaacaaa    360
gttcttgcct taaggtaaaa agcagaggtt aggggcacag agggctgttg gggaggaggc    420
aggaatcttg aaaaggtgcc tgggggttga ccccatttttc tgaagctcca gcacacaggg    480
ccccgtgttc acgtcccatc cttcacttga aaaccattca cctaactggc ttttccttca    540
tgattgttct ctccttgta gctctctgct tttttggcct gtatctctcc tactcctctg    600
agatggggtc ccctacattc cagtgcctat taaaggagcc tgcacccact ctggacccc     660
```

```
cagaatagag gggatacctc aggcctgtcc ctcggctggt ggggggggcg gagctcatcc      720
caggattctt ttcttttttt tgagatggag tcatgctctg tcgcccaggc tggagtgcag      780
tggcgtgatc tcggctcact gcaacctctg cctcctgggt tcaagccatt ctctgcctca      840
gccttcccat tagctgggat tacaggcatg cgccaccagg cccagctaat ttttgtgctg      900
ttagtagaga cggggttcca ccatcttggc caggctggtc ttgaattcct gacctcgtga      960
tccacccgcc tcggcgtctc aaagtgctgg gattacaagc gtgagccacc gacccctgcc     1020
gaggattctg ccttttacca atgcaggtga aacatctggc aaggagacac ctggagtgta     1080
ggtgttcctt ggtcttgaag acctagaggt ggccatagag aggacagtgg cctcaggtgg     1140
ggaactcccc ccccactctc attctgcaag tgcacaaact atcaaacata gcggactctg     1200
gaactgggcc aactcttcac tgtatgcatt agtgattgca gtgttttttt cttcttcaga     1260
tatttgcatg ttccctggat tttgtatttt ttgataaaga tatattcttg ggccacagta     1320
gctggagata taatgccgga cc                                              1342
```

<210> 2573
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)...(576)
<223> similar to gi2792500 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2573
```
tactgggtcg acccacgcgt gcggtcagta ggacgatttt gttagggaaa acgctttcac       60
tgcgaaaaat gtgatctaga aaacattgtg cttgaaggat tggctttgtt tttgtgtggg      120
gaatttagtg cattttccat tctattggca tcattattaa atagtcgtaa atgtagagtt      180
attaaataat tgagcttttt tccattttgg tttactcagg attcactcct tctccagttg      240
cacagccaca cccttcagct ggccttaatg ttgactttga atctgtgttt ggaaataaat      300
ctacaaatgt tattgtagat tctggggggcg gacttctcaa accaacagtg gcctctcata      360
accagaacct tcctgatgcc aaactcccac ctagcaagct agcatctgat gactcgaatt      420
catctctccc caaccttgac cgcaatccca tcatcaacac cggtacccccc cctaatgacc      480
tcacttctac gccaatgagc cacaaccaca acttcacaca accacatctc cacctccact      540
cactacacac acagatctcg acagcacctc ccacataacc caaaaccca taacccg         597
```

<210> 2574
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(360)
<223> similar to gi202799 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
        <400> 2574
gggtcgcccc acgcgtccgg gtggataagc agaagatagt ggagggaatg gcagagggag      60
gcttcacaca gattaagtgc aacacagaca ttttcattgg cggagtcccc aattatgatg     120
atgtgaagaa gaactcgggt gtcctgaagc ctttcagcgg gagcatccag aagatcatcc     180
tgaatgaccg aaccatccat gtgaagcatg acttcacctc cggagtgaat gtggagaatg     240
cggcccaccc ctgtgtgaga gcccctttgtg cccatggggg cagctgccgg cccaggaagg     300
agggctatga ctgtgactgc cccttgggct ttgaggggct tcactgccag aaaggtacgc     360
tcaggggtct gaggcacagc tccctggagg gagtggaagg aacggacagc caattggggg     420
accacaactc ttaatggaag a                                               441
```

        <210> 2575
        <211> 428
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(407)
        <223> similar to gi535177 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

```
        <400> 2575
cctgtttgaa gatgcccaaa gtggccctca agggccccca ggtggatgtc aagggcccca      60
agctggacct gaaaggcccc aaggcggatg tgatgacccc cgtcgtggag gtgtctctgc     120
ccagcatgga ggtggacgtc gaggccccgg gagccaagct ggacagtgtg cggctggagg     180
gtgacctgtc cctagccgac aaggacatga ctgccaaaga cagcaagttc aaaatgccca     240
agttcaagat gccgtcgttc ggggtgtctg ccccaggcaa gtccatcgag gcctcgttgg     300
atgtgtctgc gctgaaggtg gaggctgacg tgagcctccc ctccatgcag ggggacctga     360
agaccactca cctcagcatt cagccccctt ccgctgatct ggaggtccag gctggccaag     420
aggatgtg                                                              428
```

        <210> 2576
        <211> 428
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(251)
        <223> similar to gi7939 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

<400> 2576

```
ttaacattca agttgatacc tatagttaca acaaccgcag caacaagcct gtgcaccggg      60
cctactgcca gatcaaggtc ttctgtgaca agggagctga gcggaaaatc agggatgaag     120
aacgaaagca aagcaaaaga aaagtttctg atgttaaagt gccactgctt ccctctcaca     180
agcgaatgga tatcacagtt ttcaaaccct tcattgatct cgatactcag cctgtcctct     240
tcattcctga cgtgcacttt gccaacttgc agcggggcac tcatgtcctt cccattgcct     300
ctgaagaatt ggagggtgaa ggctctgtct tgaaaagggg gccgtacggc acagaagatg     360
actttgctgt ccctccttct accaagctgg cccggataga agaaccaaag agagtgctgc     420
tctacgtt                                                              428
```

<210> 2577
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(438)
<223> similar to gi3882197 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2577

```
gagacgcaac cgcaggttcg acccacgcgt ccgcgtatcc gcactgctca ggggtatggg      60
gaggatgtca ggcaggacca gcagcagctc ctggagggga tctcagagct ggacatcagg     120
acagggggag tcccctcaca gctgcttgta catggagccc tggccttccc tctggggctg     180
gatgcctcac tcaactgctt cctggcggct gctcactatg gccggggccg ggtggtcctg     240
gctgcccacg agtgcctgct ctgtgctccc aagatggggc ccttcttgct caatgcggtg     300
cgctggctgg ccagaggcca gacaggcaaa gttggggtga acacaaatct aaaagatctg     360
tgtcctctcc tatcggagca tggcctgcaa tgcagcctgg agccccatct gaacagcgac     420
ttgtgtgtct actgctgcaa                                                 440
```

<210> 2578
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)...(289)
<223> similar to gi4929639 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2578
tgtgggctgg agcagggaag cccacccagg caggaggtgc ctctgtgccg gaggcccgag   60
tcccctgaac acctgcagga ggccaggcat cgcccacagc cctgcccct ggcctcttgg   120
caggaaaaag aatgagaagc tggagctgct ggtgggctgc attgcagagc tgcgggaggc   180
agatgagggg ctgctgaggg ccggtgagaa tgacttcagc atcatgtact caacccgcaa   240
gcggagtgct cagctgtggc tgggcccagc cgccttcatc aaccatggtg agggtcaggc   300
aggtggatgg gcaggacggg atagagccag gcagggctgg aggggtgtag tgggagggtt   360
ctgcgactga gctgccgagc tcatctacct ctcttctctc tcctgcccca actggctcca   420
ga   422

    <210> 2579
    <211> 377
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (2)...(370)
    <223> similar to gi1118102 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 2579
caaggaaagg gagcttattg aaagactaga ggatctcaaa gagcagctgg ctcccctgga   60
aaaggtacga attgagatta gcagaaaagc tgagaagagg accactttgg tgctatgggg   120
tggccttgcc tacatggcca cacagtttgg cattttggcc cggcttacct ggtgggaata   180
ttcctgggac atcatggagc cagtaacata cttcatcact tatggaagtg ccatggcaat   240
gtatgcatat tttgtaatga cacgccagga atatgtttat ccagaagcca gagacagaca   300
atacttacta tttttccata aaggagccaa aaagtcacgt tttgacctag agaaatacaa   360
tcaactcaag gatgcag   377

    <210> 2580
    <211> 792
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (313)...(793)
    <223> similar to gi3004482 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

1518

<400> 2580

```
attttttgatg ccatgtggct acattggttt tagaatacta ataaaatcca ttgcttttaa    60
aataaataaa taaaccccat agcacatcct ccatacaaca tctgttgtcc ctcaagatac   120
aattgttacc actatcatct aaccattatt ttatgataac tttaaaatat caacttggca   180
agaaaatatt ccacaaaaca cactctgcct ttttacttta aagagtcctt ggctacctgg   240
gccaatatta ttctcatttg taggatttag gttccacaga atataatatg tgcctttttc   300
tgtgttccct gcagatttgc aagtaccatc cctttttggg gccttacttt gcacctccag   360
catctgggaa acaatgtttt cctgttgcag actctctttg gtgcagtcac cctcctggcc   420
aattgtgttg caccttgggc actgaatcac atgagccgtc gactaagcca gatgcttctc   480
atgttcctac tggcaacctg ccttctggcc atcatatttg tgcctcaaga aatgcagacc   540
ctgcgtgtgg ttttggcaac cctgggtgtg ggagctgctt ctcttggcat tacctgttct   600
actgcccaag aaaatgaact aattccttcc ataatcaggg gaagagctac tggaatcact   660
ggaaactttg ctaatattgg gggagccctg gcttccctcg tgatgatcct aagcatatat   720
tctcgacccc tgccctggat catctatgga gtctttgcca tcctctctgg ccttgttgtc   780
ctcctccttc cg                                                       792
```


<210> 2581
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(415)
<223> similar to gi4426629 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2581

```
atgacaatag cccagtgtgt gatcaggttg catatacagc attacttcct gaagacattc    60
catcaaataa aatcatcctg aaagtcagtg caaaggatgc tgatattgga tccaatggat   120
atataccata ctcactctat ggatctggaa acagtgaatt ttttctagat ccagaaagtg   180
gcgagttaaa aaccttggct ctgttggacc gggagaggat ccccgtgtac agcctgatgg   240
ccaaggccac tgacgggggt ggcaggttct gccagtccaa catccaccta atcctggagg   300
atgtgaatga taacccccct gtgttttctt ctgaccacta caacacctgt gtctatgaga   360
acacaaccac caaggctctg ttgaccagag ttcaagccgt ggaccccgac attgg        415
```


<210> 2582
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(342)
<223> similar to gi4038413 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2582
```
accagccatt gctgattcac aggcccagtg agagacagga taatcatggg atgctgctaa      60
aaggggaaat cctgctgctg cctgagcttt cttttatgac cggaatccca gagaagatga     120
agaaggactt cagagccatg aaggatttgg ctcagcaaat caatctgagc cccaagcaac     180
accatagtgc tttggaatgc ttgctgcaaa gaattgcaaa gaacgaggca gccaccaatg     240
aactgatgcg ttgggggctc cgtctgcaaa aggatgtaca taagattgaa ggacgtgttc     300
tgccaatgga aagaattaac ttaaaaaata cttcgtttat cacatctc                 348
```

<210> 2583
<211> 849
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(628)
<223> similar to gi3882151 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2583
```
tgtggatttt caggaacatc catgactgat tactgggttt tgatcttctt caacctcctc      60
ttcacatctg cccctcctgt catttatggt gttttggaga aagatgtgtc tgcagagacc     120
ctcatgcaac tgcctgaact ttacaaaagt ggtcagaaat cagaggcata cttaccccat     180
accttctgga tcaccttatt ggatgctttt tatcaaagcc tggtctgctt ctttgtgcct     240
tattttacct accagggctc agatactgac atctttgcat ttggaaaccc cctgaacaca     300
gccgctctgt tcatcattct cctccatctg gtcattgaaa gcaagagttt gacttggatt     360
cacttgctgg tcatcattgg tagcatcttg tcttattttt tatttgccat agtttttgga     420
gccatgtgtg taacttgcaa cccaccatcc aacccttact ggattatgca ggagcacatg     480
ctggatccag tattctactt agtttgtatc ctcacgacat ccattgctct tctgcccagg     540
tttgtataca gagttcttca gggatccctg tttccatctc caattctgag agctaagcac     600
tttgacagac taactccaga ggagaggact aaagctctca aggaagtggg agaggggct      660
gggaaagatg gaatcaagtg gacatcaaag tatggttaac cattcaggtg ggcaagttca     720
gggaggagga ccctggctgg gccttttttgt tgtattttgc attgaagtca ggcagttccn     780
tgttttttgag gcagggaatt ttcctgtgtg gaantgttta gtcaggtatt tgnaattagg     840
cnttaggtg                                                            849
```

<210> 2584
```

```
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(150)
<223> similar to gi951098 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


    <400> 2584
tctacactca gctagctgcc aaatcaaagt ttttaagcct aaaggtgcag acaggaaaca      60
aaaaactgac cgagagaaga tggagaagag aacagctcat gaaaaagaaa agtatcagcc     120
gtcctatgat accacaatcc tcacagaggt aatgtagtaa agcatttggt tttggaagag     180
aagcaaaggt tgcatattag tctatttcta agatgagttc tgctacaaaa gggttggggga     240
agattgggtg gcagtttgac atgttattct ctgagaaatt tctggggaaa atatttaaat     300
ttggggattt tgatagactg tttcctgggt gggatcttaa atgaagatgc tgaaatccca     360
atgaggtctt agaaacagac cttaaaaact ttgaagttgg caagagactt aagttggagc     420
ctagaaagtc caattttttgt cactgctggg gttttgcatt ttttttaact ttgaatcctg     480
ttagtcatgc atttgtttaa ttggactgaa gagacatgaa acagggtgtt agatctttct     540
ttgtataatg aaaagacatt gatcccaatc tttggtgttt gtccagatga ggcttgagcc     600
tataattgaa gatgcagttg aa                                              622




    <210> 2585
    <211> 296
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (3)...(254)
    <223> similar to gi1651471 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




    <400> 2585
ttgagcaaat tttattgctg gcgtttggtc gcaaagccgc tgaagagatg gacgagcgga      60
ttcgcgagcg gttacattca gaagacattg ccgcacgcac gtttcatgcg ctggcgctgc     120
atattattca gcaggcagc aaaaaagttc cgatagtcag caaactggaa aatgatcccg      180
ctgcccgtca tgaactcttt attgctgagt ggcgcaagca atgcagcgaa aagaaagcgc     240
aggcgaaggg cgccagccct tcaaactgtc cttcgttgtg tttatagggg aagagt          296




    <210> 2586
    <211> 352
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(240)
<223> similar to gi3021409 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2586
aaagaggctt cttgattgtg ctgttcattg ttgtaaatcc atggagctgt gcaacagtga   60
gtaactccag atgtcctccc tccctactgc agcccctgcc cttgatgtgg actggcagag   120
cagcacgacc tttgcctcct gtagcacaga catgtgtatc catgtgtgca ggctcggctg   180
tgaccgccca gtcaaaacct tccagggaca cacagtaagt gagagctctt gtcactggtc   240
tcgagtttgt gagaatgtga tgtgggagcc gattcttgtg tgcctagaat taaaagctac   300
tgcagcagca gaccagctct aatgtgcccc ttggctattt gagctgtcat gg   352

<210> 2587
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(545)
<223> similar to gi3395782 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2587
gtagtcatct tagttgtctc caattgtgcc aagcccagtg cctcaaatat agtaatcatt   60
gatgaatgct ttttgttaaa atttgaaaca aatttttggt tttgtcttta agaccgatgt   120
tgttgtcaac tccgttccct tggatctcgt gcttagtaga gggcctcttt ctaagtccct   180
cttggaaaaa gctggaccag agcttcagga ggaattggac acagttggac aaggggtggc   240
tgtcagcatg ggcacagtgc tcaaaaccag cagctggaat ctggactgtc gctatgtgct   300
tcacgtggta gctccggagt ggagaaatgg tagcacatct tcactcaaga taatggaaga   360
cataatcaga gaatgtatgg agatcactga gagcttgtcc ttaaaatcaa ttgcatttcc   420
agcaatagga acaggaaact tgggatttcc taaaaacata ttcgctgaat taatcatttc   480
agaggtgttc aaatttagta gcaagaatca gctgaaaact ttacaagagg ttcactttct   540
gct   543

<210> 2588
<211> 546
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)...(374)
<223> similar to gi640037 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2588
aaggaaggca ggaaagagga tatatagacc cttggggaaa aagcaagtta tcaattagaa   60
tagtgcaaaa ttctcaagag attctgagta aagcagttgg gattagttga cagggcttct   120
taggaaagaa ttattaaaca tgttggaatg aaagcaggga gggactcagt tggcagagtg   180
ggatgtaggg attgtccact aggcagaaac acagccttca taataatctt catggcttcc   240
tgcagcattt gcccctattc cctttggagg aatctatctg cctttggagg tcccagccag   300
ccagtgtcac cgctcccccc tggtgctcgc ctatgatcag gcccactttt ctgcactcgt   360
gtccatggag cagaaggaga ataccaagga acaaggtgct gaatgacatg tcttttggtc   420
tgcattattt tcacttgaaa aaattgaatg agatctaatg taggaggaaa gaattaagtg   480
acatgcaagc ccagacagca catgttgata ctgtttatt aagccagaag ttacgccaga   540
gttttc   546

<210> 2589
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (199)...(513)
<223> similar to gi3876654 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2589
ggcttgttta accaggataa ggaggtaggg gccatagaac tggagctgat tcctgccagg   60
ccgttttcca gcagcgagct gcagagggac aaccccgcca cggggcaaca gaacgcggat   120
gagggcagcg aaaggccacc cagagcgcag tggagagtgg actcaaacgg ggcacccaag   180
acgatcgcag actcggccac gagcccccaag ctcctctatg tggatagagt tgttcaggaa   240
attctggaaa ccgaaaggac ttatgtacaa gatttaaaaa gcatcgtaga ggattacctt   300
gactgcatca gggaccaaac aaaacttccc ctggggaccg aagaaagatc agcccttttt   360
ggaaacatac aggatatcta ccacttcaat agtgaacttc tgcaagattt ggaaaactgt   420
gaaaatgatc ctgtggccat agcagagtgt tttgtgtcca agagtgaaga gttccacatt   480
tatacccagt attgcactaa ctatccaagg cg   512

<210> 2590

<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(391)
<223> similar to gi2662089 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2590
cgagagtggg aatgtatccc aggagtccgg ccccacctat gcctcattct ctcaccattt   60
catcagtgat gcaatgacag gtgtgcccac tgagaatgat gacttttgca ttcttttttgc   120
accaaaagca gccatgcagg agaaggaaga agaaccagtt ataaaaatca tggttgatga   180
tgcaattgtg ataagagaca attatttcag tctgcccgtt aataagaccg atacgagcaa   240
agccccctta cactttccca ttcctgtgat tcgctatgtg gtgaaggagg tctctcttgt   300
ctggcatctt tatggaggaa aggatttttgg aacagtccct cccacttctc cggctaaaag   360
ttatattagt ccccacagtt cgccttctca cacacccacg a   401

<210> 2591
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(75)
<223> similar to gi3449296 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2591
tccacagtga ctactgcagc cagaacacat gcctcaatgg tgggaagtgc tcatggaccc   60
acggggcagg tgagggctgg ggtgccaggc tgaaccagg gtttatccca gaaggctctt   120
caggtgggaa aggcatgtca gggtggagat ctcagagcct cctggttcca aatttctctc   180
tcttccccta acttgtgagt aacaggttgg aatctgcaat atctagacta ggggaagcca   240
ggagtcttcc ttccctctca acaaaaacta tctttctact tctggggggga tgagggagga   300
tatgaatggg gacctcaggg gcagagggtt gaattaatca cataccttag tgtcatcact   360
ggtctatgca cagtctcctt ctcattcccc tttaacttat attccactcc cttccccttc   420
cctaacacta gaggcaaaca tttccagttt ttgaatgagc tctcgcaaaa tacatgttgt   480
ttttcatatg cttgaatttc c   501

<210> 2592
<211> 632

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(401)
<223> similar to gi2623162 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2592
```
gtactttaaa ggggagggtt cccccctttt tcctttcctt cctttttttt tggggtactg    60
attttagaaa cagtattaag caccttgttg ttttgtttct gttttcaagg aatgcagatt   120
ctactaagat ctccttgcaa aatgaatgca tttaattttc cctatgtgtt tttcctctgc   180
aggtagtttt cccaagagtg gctcaggttt gtaagaatga tatgggagga tctcaaagag   240
tcctggagaa acagtggacg tcgttcctga aggcgcgctt gaactgctca gttcctggag   300
actctcattt ttatttcaac attctccagg cagttacaga tgtgattcgt atcaacgggc   360
gtgatgttgt cctggcaacg ttttctacac cttataacag gtaatcatgc cctagctgtg   420
ttgacctcat caattcttcc tggcttcctt ctcccagggg gttctcttct aataaaccat   480
atttgcaact gactgaaaat tgcattcatt gtgtgtagct aagaagcact taacacttag   540
ttttcatcaa caaattaaaa gtagtttata agcactatta agttaggttt taggggaagt   600
aattagataa attatgacaa tatcttctat tt                                 632
```


<210> 2593
<211> 1047
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(569)
<223> similar to gi540271 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2593
```
ggtcttggtt tcaagggatc atatgaaaag tgcccagcag ttcttccagt tggtgggagg    60
atcagctagt gaatgtgata caataccagg gaggcagtgc atggcttcct gtttcttcct   120
gcttaagcaa tttgatgatg ttttgattta cctcaactca tttaagagcc acttctataa   180
tgatgacatc tttaacttta attatgccca agccaaagct gcaacaggca ataccagtga   240
gggcgaagag gcgttcctct tgatccaaag tgagaagatg aaaaatgatt acatttacct   300
cagctggtta gctcggggct atattatgaa taagaaacca agactagcct gggaacttta   360
tcttaagatg gaaacctccg gcgagtcctt cagtctctta cagctcattg ctaatgactg   420
ctacaagatg ggccagtttt actattctgc caaagctttt gatgtccttg agaggctgga   480
tcctaaccct gaatattggg aaggcaaacg gggtgcctgt gtgggcattt tccagatgat   540
catagctggg agagaaccca aagagaccct tcgagaagtg ctccatttac tgagaagcac   600
aggtaacacc caagtagaat acatgatccg gatcatgaag aaatgggcca agaaaacag   660
agtgtccatc ctaaaatagc gccagtgcac taggaaccag cttctacttt gacataaac   720
tggaaatcat tttcactcca gctttaatct gtgatacagg gctctgtttt attgacattt   780
```

```
tccttccttg ctctttaagc ctcaaggtca gagactgact tgctgagact tagtctcctg    840
gctgaacaga gtgccatagt ctgtgaccct gtatgatcct agtagcaata agattttgga    900
cttatctggt gcctttcttc caaaaatgct cagagtactt ttatgcaatt tactgacttt    960
aaggaaaaca gtataacttt tttttgttag cattttatgg cattgtctcc tggctgcaat   1020
aacaaacatc tttgatgttc aagaatc                                        1047
```

<210> 2594
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(300)
<223> similar to gi178646 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2594
```
gaactctcca agccctagga ggaggggcat gcaggttgct aggaggaaga gcagcggggt     60
gagggtaggg tgcccagggc tgcagacaaa gtgagcttca cccagtctca ccttgcacac    120
cacggcctta gcattttagt aagctccatg cttacatcct gaagactgtc cccagcccca    180
tttctgccgc tgttacagga ggaacagacc aagcccagtg ggaagacata acaggaacca    240
ccaaacttgt atatgccaac gagtgcgcca acttcaccac caatgtctct gccaggtgag    300
acgaggccag cccagcccag tattgtgtgg gccgtcctca ggctctatgc tgccgtccag    360
gcctgaggct gaggctccct cactgtcccc tccatgtgga agcctccgtg accacaggtg    420
```

<210> 2595
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (227)...(359)
<223> similar to gi3329465 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2595
```
cagaacagtc tttttaaaaa tgaatacctg attttagctt tcctttgtta aagctctcca     60
atggtacacc tttgtaacta gactaaaatc tacaactacg ggcccttgcc tctttctcac    120
ctcctttttct gccactttta acctttgttt actttaaccc actgacactg gttttactct    180
tgattctcaa acatggaaaa acagatagat gttttctttc tcttaacaga attgtgaaaa    240
attgggtgag ctgctgttat gtgaggctca gtgctgtggg gctttccacc tggagtgcct    300
```

```
tggattgact gaaatgccaa gaggaaaatt tatctgcaat gaatgtcgca caggtaaaag      360
agatatcgg                                                               369
```

```
        <210> 2596
        <211> 432
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (330)...(429)
        <223> similar to gi4826454 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2596
ggcccctagt ccaaggccct ggccaccctt cacagctgcc accacagagg gaaaggaaac       60
aatgtcattt aaccttcata gcagctttgg taataggaac agcagcggcc acagcaaaca      120
tttactgagc caagtccatt aagccctaca tgtgcgttac cggcatggtc tctggattga      180
tgattcttct gttacttcct actgtggagg ataaggccct ctgtagtgcc ttttaccaaa      240
gaccaaagct gcatgcccac catgtatcaa gttcagtaac ccccttcttc tagagaatgc      300
atgtggaccc tgtggggtgg attctgacca ctgagtgttt ccaggttcca cagcagaaag      360
ccatggcacc acttcatccc catcctgccg gaatgagaat caatgttgtc aataaccacc      420
aggccgtgta tt                                                          432
```

```
        <210> 2597
        <211> 404
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(395)
        <223> similar to gi5824570 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2597
aagaaatggt ggcattactt cttggtcaag gagcaaatat caatgcacag acagaagaaa       60
ctcaagaaac tgccttgact ctggcttgct gtggaggctt tctggaagtg gcagactttc      120
taattaaggc aggagccgat atagaactag ggtgttctac ccctttaatg gaagctgctc      180
aagagggtca tttggagtta gttaaatact tattagctgc aggagctaac gttcatgcaa      240
caacagcaac aggggataca gcactaacat atgcctgtga aaatggtcat actgatgtag      300
cagatgtctt acttcaggca ggcgcagatc tggaacatga atctgaaggt ggaagaactc      360
ctttaatgaa agctgcaaga gctggtcatg tttgtactgt tcag                      404
```

```
<210> 2598
<211> 2821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2440)
<223> similar to gi3255965 in the genepept database release 114,
     ·Run with FASTXY 3.3t00, default parameters


<400> 2598
aagagatcag tgccactcag atcatcgtct gcacccccga gaagtgggac atcatcaccc    60
gcaagggtgg tgagcgcacc tacacccagc tggtgcggct catcattctg gatgagattc   120
atcttctcca cgatgacaga ggtcctgtct tagaagcttt agtggccagg gccatccgaa   180
acattgagat gacccaagag gatgtccgac tcattggtct cagtgccacc ctacccaact   240
atgaagatgt agccaccttt ctacgtgttg accctgccaa gggtctcttt tactttgaca   300
acagcttccg tccagtgcct ctggaacaga catatgtggg tatcacagag aaaaaagcta   360
tcaagcgttt ccagatcatg aatgaaatcg tctatgaaaa aatcatggaa catgctggaa   420
aaaatcaggt gctggtgttt gtccactccc ggaaggagac tggaaagaca gccagggcca   480
tccgggacat gtgcctagaa aaggacactc tgggtctgtt tctgagggag ggctcagcct   540
ccacagaagt cctgcgaaca gaagctgagc agtgcaagaa cctagagctg aaggatcttc   600
tgccttatgg ctttgctatt catcacgcag gcatgaccag ggttgaccga acactcgtgg   660
aggatctttt tgctgataaa catattcagg ttttagtttc cacagcaact ctagcttggg   720
gtgtgaatct ccctgcacat acagtcatca tcaaaggcac ccaggtgtac agtccagaga   780
aggggcgttg gacagaactg ggagcactgg acattctgca gatgctggga cgtgccggaa   840
gaccccagta tgacaccaag ggtgaaggca tactcatcac atctcatggg gagctacagt   900
actacctgtc cctcctcaat caacaacttc ctattgaaag ccagatggtt tcaaagcttc   960
ctgacatgct caatgcagaa atcgtgctag gaaatgtcca gaatgccaag gatgcggtga  1020
actggctggg ctatgcctac ctctatatcc gaatgctgcg atccccaacc ctctatggca  1080
tctctcatga tgacctcaag ggagatcccc tgctggacca gcgccgacta gatctggttc  1140
atacagctgc cctgatgctg gacaagaaca atctggtcaa gtacgacaag aagacgggca  1200
acttccaggt gacagaactg ggccgtatag ccagccacta ctacatcacc aatgatacag  1260
tgcagactta caaccagctg ctgaagccca ccctgagtga gattgagctt ttcagggtct  1320
tctcattgtc ctctgagttc aagaacatca cagtgagaga ggaggagaag ctggagctgc  1380
agaagttgct ggagagggtg cctatccctg taaaggagag cattgaggaa cccagtgcta  1440
agatcaacgt tcttctgcaa gccttcatct cacagctgaa attggagggc tttgcactga  1500
tggctgacat ggtgtatgtc acacagtcgg ctggccggtt gatgcgagcg atatttgaaa  1560
ttgtcctgaa ccgaggttgg gcacagctta cagacaagac cctgaacctc tgcaagatga  1620
tcgacaaacg catgtggcag tccatgtgtc ctctgcgcca gttccggaaa ctccctgagg  1680
aagtagtgaa gaagattgag aagaagaatt tcccctttga gcgtctgtac gacctgaatc  1740
ataatgagat tggggagctt atccgcatgc caaagatggg gaagaccatc cacaaatatg  1800
tccatctgtt tcccaagctg gagttgtcag tgcacctgca gcctatcaca cgctccaccc  1860
tgaaggtgga gctgaccatc acgccagact tccagtggga tgaaaaggtg catggttcat  1920
ccgaggcttt ttggattctg gtggaggatg tggacagcga ggtgattctg caccatgagt  1980
attttctcct caaggccaag tacgcccagg acgagcacct cattacattc ttcgtgcctg  2040
tctttgaacc gctgccccct cagtacttca tccgagtggt gtctgaccgc tggctctctt  2100
gtgagaccca gctgcctgtc tccttccggc acctgatctt gccggagaag tacccccctc  2160
caaccgaact tttggacctg cagcccttgc ccgtgtctgc tctgagaaac agtgcctttg  2220
```

```
agagtcttta ccaagataaa tttcctttct tcaatcccat ccagacccag gtgtttaaca    2280
ctgtatacaa cagtgacgac aacgtgtttg tgggggcccc cacgggcagc gggaagacta    2340
tttgtgcaga gtttgccatc ctgcgaatgc tgctgcagag ctcggagggg cgctgtgtgt    2400
acatcacccc catggaggcc ctggcagagc aggtatgacg tggcgctgtg tcatgtgaat    2460
ttcccaagaa gcatttcatc tgtgattccg tatgaaggct ttctaagccc tgaaatttgc    2520
agggtcattt cctcagtttg tgtattaaag aaaagctgcc ccagccaagc gtggtggctc    2580
acgcctgtaa tcccagcact ttgggaggcc gaggcgggca gaactcctga cctcaggtga    2640
tccgcccacc tcagcctctc agaagtgctg ggattatagg cctcagtgag ccactatgcc    2700
cagccaaggg aattctttag catcttgaaa caatgacata aaattgcttt atgtgccaat    2760
gtctaggttc ctttaactag attgttaatt gagaatttct tttataaact tactgccttt    2820
t                                                                    2821
```

<210> 2599
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(377)
<223> similar to gi3983152 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

<400> 2599
```
aaaaggaact ccagcaactt ttattttcag tcccaccagg atatttgcga tatactccag     60
agtcactctg gagggacctg atctcagagc acagaggact agaggagtta ataaataagc    120
aaatgcgacc tttctttcgg ggaattttga tcttctctag aagttgggct gtggacctga    180
acttgcagga gaagccagga gtcatctgtg atgctctgct gatagcacag aacagcaccc    240
ccattctcta caccattctc agggagcagg atgcagaggg ccaggactac tgcacttgca    300
ctgcctttac tttgaagcag aagctagtga acatggggggg ctacaccggg aaggtgtgtg    360
tcagggccaa ggtcctctgc atgagtcctg agagcagcgc agaggccttg gaggctgcag    420
tgtct                                                                425
```

<210> 2600
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(210)
<223> similar to gi4530437 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

<400> 2600
```
ctttaaaagt ttctgatgaa ttagtgcagc aatatcaaat taaaaaccag tgtctttcag      60
caatagcatc tgatgcagaa caagaaccta aaattgatcc atatgcattt gttgaaggag     120
atgaggaatt cctttttcct gataaaaaag atagacaaaa tagtgagaga gaagctggaa     180
aaaaacacaa ggtaagagaa atcacagtac accaaagggt cactgttgat tttgtagcac     240
tgcatatagt aacactctta ctaccacagt tatctcactt cttttgtctt agaatagaaa     300
gagtaatcat ttatttagaa aaacctattt ttgcccggct gcggtggctc atgcctg       357
```

<210> 2601
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (429)...(543)
<223> similar to gi436218 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2601
```
accattgaga gttttaataa tacgtaacta cagaaaatgg agaaccaaaa ttattgtctg      60
taaacaggtg accttaaaat atagagaagg aagcaaagtt actaaaccta aatagttgcg     120
ggcctgcgct caaagccagg cctttgttaa tactttтаac aaagtattct ttgttaaaag     180
agagattagc agatacaagt gttaacatca aacccagact tctgagtctg aaaaagagct     240
ggccggggaa tgccctcctc ataccccaag cccgactgca acgcagtgac tctgggaagc     300
aacccagcct tcactctagt tgttttgtcc ccgcatcctg tgctggggta tggattctct     360
ggcctcctct aagggcagaa gcttgaggct ttgcctgcac gcttgggtaa ctgtaaacat     420
catcttcagg cataaaccat gggcctgtga ttgctggagt gattggggcc cgaaaacctc     480
agtatgacat ctggggaaac actgtcaatg tggccagccg aatggaaagc actggagaac     540
```

<210> 2602
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(398)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2602

```
cccattcctt ggagtggtca gccagctacc tggtggcagg ttgattatat tggacctctt       60
ccatcatggg aagggcagag gtttgtcctc actggaatag acacttactt tagatatggg      120
tttgcctatc ctgcatgcaa tgcttctgtg aagactacca tccatggact cacagaatgc      180
cttgtccacc atcatggtgt tccacacagc attgcctctg accaaggcac tcactttatg      240
gctaaagaag tgtggcaggg ggctcatgct catggaattc actggtctta ccatgttccc      300
catcatcctg aagcagctgg gttgacagaa tggtggaatg gcctttttgaa gtcacaatta      360
caacaccaac taggtggcaa tactttgcag ggctggg                               397
```

```
        <400> 2603
ctgtcctctt cagcctcagt caacagctgt gctgtgaacc cttgtcttca caatggcgaa       60
tgcgtcgcag acaacaccag ccgtggctac cactgcaggt gcccgccttc ctggcaaggg      120
gatgattgca gtgtggatgt gaatgagtgc ctgtcgaacc cctgcccatc cacagccacg      180
tgcaacaata ctcagggatc ctttatctgc aaatgcccgg ttgggtacca gttggaaaaa      240
gggatatgca atttggttag aaccttcgtg acagagttta aattaaagag aacttttctt      300
aatacaactg tggaaaaaca ttcagaccta caagaagttg aaaatgagat caccaaaacg      360
ttaaatatgt gtttttcagc gttacctagt tacatccgat ctacagttca cgcctctagg      420
gagtccaacg cggtggtgat ctcactgcaa acaaccttttt ccctggcctc caatgtgacg      480
ctatttgacc tggctgatag gatgcagaaa tgtgtcaact cctgcaagtc ctctgctgag      540
gtctgccagc tcttgggatc tcagaggcgg atctttaga                             579
```

        <400> 2604

```
aaaagaaaga tgtggcccaa agcctagaga actatacgtc caagtgtcct gggaccatgg      60
agcccatcgc cctccctggc ggcctcaccc tgccaccggt gcccttcacc aagcttccca     120
tcgtcaggca tgtgaaacta ttgaaccttc ctgctagcct ccggccacac aaaatgaaaa     180
gcttgctggg tcagaacgtg tcaaccaaaa gtcctttcat ctattcacca attatcgcac     240
acaaccgtgg agaagagcgg aacaagaaaa tagatttcca gtgggttcaa ggagatgtgt     300
gtgaagttca gctgatggta tataacccaa tgccgtttga acttcgagtt gaaaacatgg     360
ggctgctcac cagcggagtg gagttcgagt ctctccctgc ggcgctttct cttccggctg     420
aatctggtct gtacccagtg acgctcgtcg gggtcccgca gacgactgga acgattactg     480
tgaacggtta ccataccacg gtcttcggtg tgttcagtga ctgtttgctg gataacctgc     540
cgggaataaa aaccagtggc tccacagtgg aagtcattcc cgcgttgcca agactgcaga     600
tcagcacctc tctgcccaga tctgcacatt cattgcaacc ttcttctggt gatgaaatat     660
ctactaatgt atctgtccag ctttacaatg gagaaagtca gcaactaatc attaaattgg     720
aaaatattgg aatggaacca ttggagaaac tggaggtcac ctcgaaagtt ctcaccacta     780
aagaaaaatt gtatggcgac ttcttgagct ggaagctaga ggaaacccctt gcccagttcc     840
ctttgcagcc tgggaaggtg gccacgttca caatcaacat caaagtgaag ctggatttct     900
cctgccagga gaatctcctg caggatctca gtgatgatgg aatcagtgtg agtggctttc     960
ccctgtccag tccttttcgg caggtcgttc ggccccgagt ggagggcaaa cctgtgaacc    1020
cacccgagca tgtatt                                                    1036
```


<210> 2605
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(377)
<223> similar to gi214636 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2605
```
ctgggtgata aaagtgcaga tggtgcagct gcatattgca aaaccccgcc tggatgacta      60
ctattaccag gaatattacc agaagctaga gaagaagcag gcagacgaag agctacttgg     120
acgaagaaac cgggttgagt ccctcaagct ggtaacgcct tacattccga aggcagaggc     180
ttatgagtcc gtggtccgaa tcgagggttc cctgggccag gtagctgtgt cgacatgctt     240
cagccctcgc cgagctattg atgcggtacc ccatggaact caagagcagg atatagaagc     300
tgcaagcagt cagaggcttc gggtattata ccggattgag aagatgttcc ttcagttact     360
agaaatagag gaaggctgga agtataggcc tccaccgcc                            399
```


<210> 2606
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<400> 2606
gcaatgaaaa gataggggag tgggtgcagt gtttgtttgg caggcccagg ctggtcaggg    60
acagggtttg accctctggc tttgtcctca gatgtgaatg aatgcacctc cggacaaaac   120
ccgtgccaca gctccaccca ctgcctcaac aacgtgggca gctatcagtg ccgctgccgc   180
ccgggctggc aaccgattcc ggggtccccc aatggcccaa acaataccgt ctgtgaaggt   240
cgagagctca gatcccacgt ttctagcgac ccacaaacat ctgatcacat gttcaacggc   300
gcccacacaa accaagcaga atgagcgctg gaggcacctg gctgtgccag gcgttcgttc   360
attcttctga ggctagatga gaaaagagca agggtcctcc ggaaggagct ggggtactga   420
ggggggaggc tcaggggggac cccaggcaac agctgatgac tcactgggag gaaggcgttt   480
caccatattc ataacctgct catctgcacg gggcccacct gctgtgccca ggcctctcca   540
cgcttccata acccagcgtc caccactcca aggggggcac taatgccagg aggaatgagc   600
tgggggcaca gacaggagac aggaccctct ccaggctggg acaggacctg accccttct   660
tcctgtcctc                                                         670
```

```
<210> 2607
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(563)
```

```
<400> 2607
gctgatgaca ccttacactt atggaattta cgtcagaaga ggcctgccat actacattcg    60
cttaaatttt gcagagaaag ggttacattt tgccatctgc ctttccagag taagtggctc   120
tatgtgggca ctgaacgagg taatatacat attgtcaatg tggagtcctt cacactctca   180
ggctacgtca ttatgtggaa taaagccatt gaactgtcat ctaaatctca cccaggacct   240
gtggtccata taagtgataa tccaatggac gagggaaagc ttttgattgg ctttgaatct   300
ggaacagtag ttttatggga cctcaaatca aagaaagccg actacagata cacatatgat   360
gaggctatcc actctgttgc ttggcatcat gaaggaaaac aatttatttg cagtcattca   420
gatggcacct tgactatatg gaatgtaagg tcccctgcta aaccagtaca gacaatcact   480
ccacatggaa aacagttaaa ggatgggaag aagccagaac catgcaaacc tatcctcaag   540
gtggaattca naacgactag atc                                          563
```

<210> 2608
<211> 1404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (948)...(1230)
<223> similar to gi4850180 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2608
ttccacaatc aactttggca tgttttgact ggcaggagct tcagctggtg taggcggtgc   60
cagggacaaa gggggaaaag tgccccggcc tctgggagaa gcacttcccc accctcatcc   120
tgggaagcca tcgagtggtc accaatgggg ttcctgggtt ccagtcgtgg ctctatttct   180
caaagccctg tgaccgtggg cacgttgccg aacctctgtg ggctcttgcc ttcaccaaca   240
cctatctctt ctacggtgcg taccgagtgg ggccggagag cagctccgtg tacagcatcc   300
gcctggccta cctcctcagc ccgctggcct gcctgctcct ctgcttctgt gggactctgc   360
ggcggatggt gaaggggctg ccgcagaaga ctctgctggg tcagggctat caggcgcctc   420
tcagcgccaa ggtcttctcc tcatgggact tctgcatccg ggtgcaggaa gcagccacca   480
tcaagaagca tgagatcagc aacgagttca aggtggagct ggaggagggc cgtcgcttcc   540
agctgatgca gcagcagacc cgggcccaga cggcctgccg cctgctctcc tacctgcggg   600
tcaacgtact catcgggctc ctggtggttg gggccatcag cgccatcttc tgggctacca   660
agtactcaca ggacaacaag gaggagtccc tgtttctgct gctccagtac ctgccccctg   720
gggtcatcgc cctggtcaac ttcctgggtc ccctgctgtt cacatttctg gtccagctgg   780
agaactaccc tcccaacacg gaggtcaacc tcactctgat ctggtgcgtg gtgctgaagc   840
tggccagctt ggggatgttc tccgtctccc tgggtcagac catactgtgc attggcagag   900
acaagagcag ctgtgagtcc tacggctaca acgtttgtga ctatcagtgc tgggagaact   960
ccgtggggga ggagctgtac aagctgagta tcttcaactt cctcctcacc gtggccttcg   1020
ccttcctggt caccctgcct cggaggctgc tggtggaccg gttctcaggc cggttctggg   1080
cctggctgga acgggaggag ttcctggtcc ccaagaatgt gctggacatc gtggcggggc   1140
agacggtcac ctggatgggc ctcttctact gccccctgct gcccctgctg aatagcgtct   1200
tcctcttcct caccttctac atcaagaagg tgacggctca tggctggggg gtatggggtt   1260
cgtgcctctg ggtggatgcc ttgagctggg ctcgcctcct gctcctgctc ctgccccctt   1320
ccctgggtgt cagcccccctg gggtctgcat aactcgctga ctcctggttg ctattgcttg   1380
cgcccccagt acacccttct gaaa   1404

<210> 2609
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(576)
<223> similar to gi3881525 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

1534

<400> 2609
```
cggacgcgtg ggctgcttcg aagggcgttt ccatgaacgc tgtcagcagc cctgcaagcg      60
cctgcttatc tgctcacaca agtgccagga accatgcatt ggtgagtgcc caccctgcca     120
gcggacctgt cagaaccgct gtgtccacag ccagtgcaag aagaaatgtg gggagctgtg     180
tagtccctgc gtggaaccct gtgtctggcg ctgccagcac taccagtgca ccaaactctg     240
ctctgagccc tgcaaccgac ccccatgcta tgtgccttgt actaagctgc tagtttgtgg     300
ccacccctgc attggtctct gtggggagcc atgccccaag aaatgccgga tctgccacat     360
ggatgaggtc acccaaatat tctttggctt tgaggatgag cctgatgccc gctttgtgca     420
gctggaagac tgcagccaca tctttgaggt gcaagcccta gaccgctaca tgaatgaaca     480
gaaggatgat gaagtcgcca tcagattgaa agtctgccct atctgccagg tgcccatccg     540
caaaaacctg aggtatggaa ctagcataaa acagcggcta gaagagattg aaatcatcaa     600
ggaaaagatc cagggctcag caggggaaat agcaaccagc caggaacggc ttaaggccct     660
gctggagagg aagagcctcc tccaccagct gcttcctgaa gacttcctga tgttaaagga     720
gaagctggcc cagaaaaatc tgtcagtgaa ggacctgggt ctggatgaga attacatcaa     780
cttctatgac cacctggcc                                                  799
```


<210> 2610
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (426)...(581)
<223> similar to gi439296 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2610
```
cgtcagggag ggctccctgg tggaggaggc cctgaagctc agtgtgaaga gttcatgtgt      60
ggatctggtt ggggatggca taaccagctc agggagcagg ccccagcagt gggtgtggga     120
accccatgat gggcagtggt cagctgtggt cactgcatgt gggctggggt gggaggtggg     180
ggacaggttg gcaggggcta caaacagcct cgaaggccct gctggggatc cctggacttc     240
accgtggaga agtttaagcc aagctgcctc attgtcagag tagagctttt gagcagttgt     300
caggcattta gcagtgagtg ggtcagaacg ggttggcgga gacagaagct gggggcggtg     360
agcctgagcc cggtgattgt gaaagtcaga cctttttctg ggaaaggctg gggttcctgg     420
aggcctgcat ctccgacttc agcctccagc agctgcgggt gctagacctg agctgcaaca     480
gcatcgaggc ctttcagacg gcctcccagc cccaggctga gttccagctc acctggcttg     540
accttcatac tggtctctgc catcctcctc accacgctgg ccgcctgctg ctgcgtccgc     600
cggcagaagt ttaaccaaca gtataaagcc ccgtcatgct ctcttctgcc tccagcctct     660
ccctgtttac gtcttcctct cagacttcag ctggactcaa gtcttgtccg tcttaaaaat     720
agtgagaagc ccctcagcca ctttcccctt cgtcctccca ctcttca                  767
```

<210> 2611
<211> 1220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (178)...(1218)
<223> similar to gi3881525 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2611
tttttttttt ttaagaaaaa tagaggccag gtgcggtggc tcacacctgc aatcccagca   60
ctttgggagg ccaaggtctc tctctggagc agagtaagtg gccagtgcat gtcaagagag   120
gaagaaaaaa acaagtgcca tgagtgaacc ttttaacatg tcacttcttt tccctgtcag   180
ggggtgtctt ccaacctttt ctttgtagaa cacaactttc ctgaacagga aatccaagag   240
ggcaaaagcc atcagaacca gcatgaggct cactttgtgg tagagctgtg caagtacttc   300
ctgtgccagg aatacctgcc ttcccagatc accatcctca ctacctatac cgggcagctc   360
ttctgcctgc gcaaactgat gcctgccaag acatttgctg gcgtcagggt ccatgttgtg   420
gacaaatacc aaggggaaga gaatgacatc atcctcctct cgctagtgcg gagcaaccaa   480
gaaggcaagg tgggttttct gcagatatcc aaccgcatct gtgtggcctt gtcccgagcc   540
aagaagggaa tgtactgcat cggaaacatg cagatgctgg ccaaggtgcc cctgtggagc   600
aagatcattc atacacttcg agagaacaat caaataggcc ccatgctccg gctctgctgc   660
cagaaccacc ctgaaaccca caccttagta tccaaagctt ctgacttcca aaaagtaccc   720
gaaggaggct gcagcctgcc ctgcgagttc cgcctgggct gtgggcatgt ctgcacccgt   780
gcctgccacc cttatgactc ttcacacaag gagttccaat gcatgaagcc atgccagaag   840
gtcatctgtc aggaagggca ccggtgtccc cttgtttgct tccaggagtg tcagccttgt   900
caggtgaagg tgcccaaaac cattcctcgg tgcggccatg aacaaatggt cccttgttcc   960
gtgcctgagt cagatttctg ctgccaggag ccttgctcca agtctctgag atgtgggcac   1020
agatgcagcc acccatgtgg tgaggactgt gtgcagttgt gttcagaaat ggtcaccata   1080
aaactcaagt gtgggcacag tcaaccggta aaatgtggtc atgtggaagg cctcctgtat   1140
ggtggtctgc tagtcaagtg taccacaaag tgtggcacta tcttggactg cgggcatcct   1200
tgcccaggct cctgccacag   1220

<210> 2612
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (181)...(397)
<223> similar to gi307082 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2612
tgaactgagc cacccagaga cttcaggcag aaatcaccaa cctcaggaaa cagatgggac   60

```
cccaactcag cagtgtgctg ccctgcaaga caccatcctg gaggcagagc agaagggcaa    120
ggtagccatc ggagatgccc aggacaagct ggctgaggtg gaggctggac cagctgctct    180
gtgcggttcc tggagcagca gaaccaggtg ctggagacca agtgggagct gctacagcag    240
ctggacctga acaactgcaa gaataacctg gagcccatcc ttgagggcta catcagcaac    300
ctgcggaagc agctggagac gctgtctggg gacagggtga ggctggactc ggagctgagg    360
agcgtgcggg acgtagtgga ggactacaaa aagaggtgag caggaggagt cccctgtaa    420
ctggacaact gcccttgtcc ctccaaggga cccctggcag tcaccccagc ttaaatgctt    480
tggaggtcag tggagggcat tgttcttggt catatcaagc agaatcaccc caacaaaact    540
ctggaacttg ctctctgctc ctccagcctc tggcctgact cttaggacaa atgcccagtg    600
agctgggcag tgggcagagg gttatctctg gctctgggtt tagggaatgt ttggggaaac    660
cactcacgtt ctcctcccat gtaagaggag ggttaagtgc atctggcttc aagactg       717
```

<210> 2613
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (202)...(15)
<223> similar to gi3184100 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2613
```
cccacgcgtc cgtgacactc caagagtctt tcaccaaaca ggtagttgtt cattgtttca     60
gcaactatct tggcaacatc ctcagactca aactccacaa atgcatagcc tttgccattt    120
ccagtcattt tacttctgga cagtctgaac tgtgtcacag tgccaaactg ggagaaatat    180
gaaaagatct gggtttcgtt aagtagggtt gttcttgttt tttttgctgg gttatgtgct    240
tgcaaacctg cgccacctcc ttttgaaact ggacatcttc ctgcgggtta agcagtgaga    300
tctcagccag gccagaaaaa gctgccatgc caaaagcggc cgacactaac tccacgcggt    360
gctcctggaa acgtcgggct cccagctccc atgaggcaga aaacgggcat ctattctttt    420
aacatac                                                              427
```

<210> 2614
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(419)
<223> similar to gi687822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2614

```
tttgcagtgg aacatttttt ccatatagct ccaatcctgc taatccgaag ccaaagagag      60
tgtttcttca gcatatgact agaacattcc atgacttgga aggaaatgca gttaaacggg     120
actctggaat atggatcaat gggtttgatt atactggaat ttctcacata acccctcaca     180
ttcctgagat caatgatagt atccgagctc actgtgagga gaatgcacct ctttgtggtt     240
ttccttggta tcttccagtg cactttctga tcaggaaaaa ctggtatctt cctgccccag     300
aagtttctcc aagaaatcct cctcatttcc gactcatatc caaagaacag acaccttggg     360
attctataaa attgactttt gaagcaacag gaccaagcca tatgtccttc tatgtt        416
```

<210> 2615
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> similar to gi3021409 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2615

```
agacattgta tacgagaagg ggggcacgac gtcccaagta ataaagatgt cacctcactg      60
gactggaaca gtgatggaac actattggct atgggttcat atgatggttt cgcaagaata     120
tggacagaaa atggtaacct ggccagcacc ttatgccaac ataaaggccc catcttcgct     180
ctgaaatgga acaaaaaggg gaattatgtt ttgagtgctg gtgtagacaa aacaacaata     240
atttgggatg ctcacacagg agaagccaaa cagcagtttc cttttcattc agcccccgcc     300
cttgatgtgg actggcagaa caacatgacc tttgcctcct gtagcacaga catgtgtatc     360
catgtgtgca ggctcggctg tgaccaccca gtcaaaacct ttcagggaca cacaaacgag     420
gtcaatgcca tcaaatggga tccttctgga atgttgctgg cggtctgctc ggatgacatg     480
acattgaaga tctggag                                                   497
```

<210> 2616
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(499)
<223> similar to gi3806122 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2616
```
tttcgtggcg ccgtgggcaa gagcagcctc atcgtcagct acacctgcaa tgggtacccc       60
gcgcgctacc ggcccactgc gctggacacc ttctctgtgc aagtcctggt ggatggagct      120
ccggtgcgca ttgagctctg ggacacagcg ggacaggagg attttgaccg acttcgttcc      180
ctttgctacc cggataccga tgtcttcctg gcgtgcttca gcgtggtgca gcccagctcc      240
tttcaaaaca tcacagagaa atggctgccc gagatccgca cgcacaaccc ccaggcgcct      300
gtgctgctgg tgggcaccca ggccgacctg agggacgatg tcaacgtact aattcagctg      360
gaccagggggg gccgggaggg ccccgtgccc caaccccagg ctcagggtct ggccgagaag      420
atccgagcct gctgctacct tgagtgctca gccttgacgc agaagaactt gaaggaagta      480
tttgactcgg ctattctc                                                     498
```

<210> 2617
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (304)...(780)
<223> similar to gi193367 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2617
```
tctaaaggct cctttgcttt tgggaaatgt gctcagagga agaactctgc agctgaactg       60
tccctccctc tggggctgcc ctgggtcttt ggctgcctgt gtcctcaggg tggggcaggt      120
tggcacttcc ctctggctct ccccggagca gggcttgccg cttgtcctcc tctctactca      180
caaaaccctc ctggatggga tcctgctgcc ctttatgctg ctctcccagg gcctgggtgt      240
gcttcgtgtg gcctgggact cccgcgcctg ctcccctgcc ctcaggcctc ggcccccctg      300
gggctgtgga caggagctct ggctgtccta cgtagcttgg ggagccgctg gggctgcagc      360
caccggatct gctcctgggt gcgcctagct cagccctttt ccctgcagga atacatcgtc      420
agtgccagaa gctgctgggg cggcaaacag accctggagc agctactgca gcccatcgtg      480
ctgggccaat gtactgctgt cccagacact gagaaggagc aggagtggac ccccataact      540
gggcctctcc tggccctcaa ggaagaggac cagctcctgg tcaggagact gagctgtcat      600
gtcctgagtg ccagagtagg gagctctgcg gagatgagca cggccattat ggcaacgctg      660
ctgctcttca agcatcagaa gggtgtgttc ctgtcgcagc tcctggngga gttctcctgg      720
ctgacggagg agatactagt gcgtggcttt gatgtangct tctctgggca gctgcggagc      780
```

<210> 2618
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(554)
<223> similar to gi4887715 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2618
ccccgaagg gcccaggccc tgctggacgt gacactgctg gacatcaatg accatgcccc   60
ggctttcaat cagagccgct accatgctgt ggtgtctgag agcctggccc ctggcagtcc   120
tgtcttgcag gtgttcgcat ctgatgccga tgctggtgtc aatggggctg tgacttacga   180
gatcaaccgg aggcagagcg agggtgatgg acccttctcc atcgacgcac acacggggct   240
gctgcagtta gagcggccac tggactttga gcagcggcgg gtccatgaac tggtggtgca   300
agcacgagat ggtgggggctc accctgagct gggctcggcc tttgtgactg tgcatgtgcg   360
agatgccaat gacaatcagc cctccatgac tgtcatcttt ctcagtgcag atggctcccc   420
ccaagtgtct gaggccgccc cacctggaca gctcgttgct cgcatctctg tgtcagaccc   480
agatgatggt gactttgccc atgtcaatgt gtccctggaa ggtggagagg gccactttgc   540
cctaagcacc catgtatt   558

<210> 2619
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(571)
<223> similar to gi663111 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2619
caccgtgctg gaattccccg gtcgacgatt tcgtcaggag caccggtgca gcccaagtgg   60
tgactgtctc aatgtccctg gctcctaccg ctgcacctgt cgccagggct ttgccgggga   120
tggcttcttc tgcgaagaca gggatgaatg tgccgagaac gtggacctct gtgacaacgg   180
gcagtgcctc aatgcgcccg gcgggtaccg ctgtgaatgt gagatgggct ttgaccccac   240
cgaggaccac cgggcctgcc aggatgtgga cgagtgtgcg caagggaacc tctgtgcatt   300
tgggagctgt gagaacctgc ctggaatgtt ccgctgcatc tgcaatggtg gctacgaact   360
ggaccgaggg ggtggcaact gcacagacat caacgagtgt gcagacccag taaactgcat   420
caacggcgtg tgcattaaca cccccggcag ctacctctgc agctgccccc aggattttga   480
gctgaacccc agcggagtgg gctgcgtgga cactcgggcc gggaactgtt tcctggagac   540
gcatgaccga ggggacagtg gcatttcct   569

<210> 2620

```
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (161)...(555)
<223> similar to gi3875423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2620
caccgttctt gaattcccgg gtcgacgatt tcgttgcaag aggtgccact caaatcatca    60
cagtaatgaa gtggggggccg ctgcggagac tcacctctat cagacctctc ctccgcccat   120
caacacgcgg gaatgcggcg ctgaggagct ggtctgcgcc gtggaagccg tgatcagctt   180
gttgaaagaa gccgagttcc atgctgagca gcgagaacat gagctgaacc ggcggcggca   240
gctgggcctc tcctcttccc accattccct ggataatgct gactttgata acaaggacga   300
tgataaacac gatcagaggc tgctcagtca attcggaata tggttcttag tgagcctctg   360
cacacccagt gagaacacgc ctacagaaag cttggcccgg ctggtggcca tggtgtttca   420
gtggtttcac tccactgcgt atatgatgga tgatgaagtg ggaagtctgg tggaaaagct   480
gaagcctcag tttgtcacca aatggctgaa gaccgtatgt gatgttcgct tcgatgtcat   540
ggtcatgtgc cttcttccta aacccatg                                     568




<210> 2621
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (175)...(543)
<223> similar to gi438056 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2621
tttcgtaaag agggactcac tgggaaatac tgtgataaat ctgttactcc tgacactgcc    60
ttatcattag aaggcaaagg gcgcttggac taccacatga gtcagaatga gaagcgggaa   120
tgtttgttaa ggcaaagctt acgaggtgcc atgttggagc cttttggtgt gaacagtctg   180
gaagtaaaat ttaggaccag aagcgagaat ggcgtttta tccatatcca agaaagcagc   240
aattacacta ctgtgaagat taagaatggc aaagtatatt ttacatccga tgcaggaatt   300
gctgggaaag tggagagaaa tattcctgaa gtatatgttg cagacggcca ctggcacact   360
tttctaattg ggaaaaatgg aacagcaaca gtattgtctg ttgacagaat atataacaga   420
gatattatcc accctactca ggacttcggt ggccttgatg tgcttactat atcacttgga   480
ggaattccac ccaatcaagc acatcgagat gcccaaacag caggttttga tggctgcatt   540
gc                                                                 542
```

1541

```
<210> 2622
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(385)
<223> similar to gi5360129 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2622
gaattcccgg gtcgacgatt tcgtggcgct tgcagccagg cagggcccag atcagtcctc    60
cctcggcatg gggctggagg ctcagaggct gccagggGct gaggaggccc cagtgcgggt   120
tgccctgcga gttcgaccac tgctgcccaa ggagctgctg cacgggcatc agagctgcct   180
gcaggtggag ccagggcttg gccgcgtcac tctgggccgt gaccgacact ttggcttcca   240
cgtggtgctg gccgaggatg ccgggcagga ggccgtgtac caggcctgcg ttcagcccct   300
ccttgaggcc ttcttcgagg gcttcaatgc cactgtcttt gcctatggtc agacgggctc   360
agggaagaca tacaccatgg gggaggccag tgtgggtgag tgaccctgtt cgtggccctg   420
tgcccacttt aaggagcctt agttccttcc tggatttctg ccccgtcctc ttgctgcctg   480
ttctgtggaa ggtgggggatg ctgggggagg aagagttgat ttcctagaca gggatctgtg   540
gcccaggctg ggaccaa                                                  557




<210> 2623
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(550)
<223> similar to gi4038413 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2623
ttccattaaa aaatatttga gctcagactg cccagtccca agccaatgtg tgcttgctcg    60
gaccttgaat aaacagggca tgatgatgag tatcgccacc aagatcgcta tgcagatgac   120
ttgcaagctc ggaggcgagc tgtgggctgt ggaaatacct ttaaagtccc tgatggtggt   180
cggtattgat gtctgtaaag atgcactcag caaggacgtg atggttgttg gatgcgtggc   240
cagtgttaac cccagaatca ccaggtggtt ttcccgctgt atccttcaga gaacaatgac   300
tgatgttgca gattgcttga aagttttcat gactggagca ctcaacaaat ggtacaagta   360
caatcatgat ttgccagcac ggataattgt gtaccgtgct ggtgtagggg atggtcagct   420
gaaaacactt attgaatatg aagtcccaca gctgctgagc agtgtggcag aatccagctc   480
aaataccagc tcaagactgt cggtgattgt ggtcaggaag aagtgcatgc cacgattctt   540
taccgaaatg aaccgcactg                                               560




                              1542
```

```
<210> 2624
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(534)
<223> similar to gi687210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2624
taccttggtt tatagggaaa attatccaga tctacgaaat gatgctggtg agacatggct      60
atatgattgt aggagacccc atgggcggca agacctctgc ttataaagtg ttggctgcag     120
ctctcggcga tttacacgca gccaatcaga tggaggagtt tgctgtggag tacaagatca     180
tcaaccccaa ggctatcacg atggggcagc tgtatgggtg ctttgaccaa gtgagccacg     240
agtggatgga tggtgtcctt gccaatgctt tccgggagca agcgtcttca ctctctgatg     300
atcgcaagtg gattatattt gatgggccag tggatgctat ttggattgaa aatatgaaca     360
ctgttctgga tgacaataaa aagctgtgtc tcatgagtgg ggaaattatc cagatgaact     420
ccaagatgag cctgatcttc gagcccgccg acctcgagca agcctctcca gccactgtga     480
gcaggtgtgg gatgatctac atggagcccc atcaactagg ctggaagccc c             531



<210> 2625
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(437)
<223> similar to gi5669800 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2625
ctggggtgcc ccgcaacctg ccttccagcc tggagtatct gctgttgtcc tacaaccgca      60
tcgtcaaact ggcgcctgag gacctggcca atctgaccgc cctgcgtgtg ctcgatgtgg     120
gcggaaattg ccgccgctgc gaccacgctc ccaacccctg catggagtgc cctcgtcact     180
tcccccagct acatcccgat accttcagcc acctgagccg tcttgaaggc ctggtgttga     240
aggacagttc tctctcctgg ctgaatgcca gttggttccg tgggctggga aacctccgag     300
tgctggacct gagtgagaac ttcctctaca aatgcatcac taaaaccaag gccttccagg     360
gcctaacaca gctgcgcaag cttaacctgt ccttcaatta ccaaaagagg gtgtcctttg     420
cccaccttgt ctctgggccc cctttccttc ggggaagcct gggtcgcccc ttgaagggag     480
```

ctgggacatg gcacggcaat ctttctttcc cgctccactt cgaatggggg aagacc   536

          <210> 2626
          <211> 539
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(540)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (1)...(432)
          <223> similar to gi1513030 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

          <400> 2626
gtcagatggt tctgtgaagg gaaagaactg cacaacactc ctgatattca aatccactgt   60
gagggagggg acctccatac cctgatcata gcagaggcct ttgaggacga cacaggtcgc   120
tacacctgtt tggctacgaa tcccagcggc tcagacacaa catctgctga ggtgttcatt   180
gaaggtgcca gttcaacaga ttctgacagt gaaagtttag ctttcaaatc aagagctgga   240
gctatgccac aagctcaaaa gaaaacaact tctgtttcct tgacaatagg atcatcatct   300
ccaaagacag gggtgaccac agctgtgatt caaccactgt ctgtccctgt gcaacaggtt   360
cacagtccaa cttcatatct ctgccgacct gatggaacca ctactgccta ctttcctcct   420
gtttttacaa aggaactggc aaaacacagg cccgtggcgg aaggggccag gtggtgggtt   480
ctgggagtgc cgggtccgtg gggcnnnacc ccctctgcag ggtccaggtg gggggtttc   539

          <210> 2627
          <211> 568
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (3)...(562)
          <223> similar to gi488555 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

          <400> 2627
aagagtgtgg gaaagccttc acccattctt cataccttac tgatcataca agaatccaca   60
gtggaaagaa gccctatgta tgtatggaat gtggaaaagc cttcactaga tccacaggac   120

1544

```
ttattttaca catgcgaatt cacactggag aaaagccata tgaatgtaag gagtgtggaa    180
aagcttttat tcattcctca taccttacaa aacatgtaag gattcacagt ggagagaagc    240
tgtatttatg taaggcatgt gggaaagctt ttactcgttc ctcaggactt gttttacaca    300
tgagaacaca tactggagaa aagccctatg aatgtaaaga atgtgggaaa gcctttaata    360
attcctcaat gcttagtcaa catgtaagga ttcacactgg agagaagcca tatgaatgca    420
aagaatgtgg gaaagctttc actcaatcct cgggccttag tacccattta agaactcaca    480
ctggagaaaa ggcctgtgaa tgtaaggaat gcggtaaagc atttgctcgt tccacaaatc    540
ttaatatgca catgcgaacg caacgaaa                                       568
```

```
<400> 2628
tttcgtattt gggagaccaa agtggggaga aactctttga ctgcagccag tgcaggaaat     60
ccttccactg taagtcatat gttcttgaac atcaaaggat tcacacccag gagaagccct    120
ataaatgtac caaatgtagg aaaacctta gatggagatc aaactttact cgtcatatga     180
ggttgcatga ggaggaaaaa ttctacaaac aagatgaatg tcgtgaaggc ttcaggcaat    240
ctcctgactg cagtcagccc cagggtgctc ccgctgtgga gaaaacattt ctgtgtcagc    300
agtgtgggaa aactttact agaaagaaaa ctctcgttga ccaccagaga attcacacag    360
gtgagaaacc ttaccagtgt agcgattgtg ggaaggactt tgcctatagg tcagcctttia   420
ttgttcataa gaagaagcat gccatgaaaa gaaaacctga gggcgggcca tcttttnagt    480
caggacacag tgttccaggt tcctcaaaca gtcactccaa aaaggagccc tacaaatgca    540
gccagtgtgg caaggccttt cgcaatcact ca                                  572
```

```
        <400> 2629
tttcgtgtca gcacctctgt gtgagaggct gctacctgag gtgggatggc catgggtggg      60
tcccagctcc tgcaccccag tgttctccca cagggttctc tctggctccc acacccaccc     120
ctcattcctc agtttcccca tggagggcag ctgctggcat tcttgctctg cccaggctta     180
ctatgaaggc tgctgaggaa cctgtaaaca catctctggc ctcaccagag gcccttcctg     240
ttcgcattcc tcagatggca agactgtaaa ttcacctgtc acccagaatg ccgcagcctg     300
atccagttgg actgcagtca gcaggagggt ttatcccggg acagaccctc tccagaaagc     360
accctcaccg taaccttcag ccagaatgtc tgtaaacctg tggaggagac acagcgcccg     420
cccacactgc aggagatcaa gcagaagatc gacagctaca acacgcgaga gaagaactgc     480
ctgggcatga aactgagtga agacggcacc tacacgggtt tcatcaaagt gcatctgaaa     540
ctccggcggc ctgtgacggt gcctgctggg atccggcccc agtccatcta tgatgccatc     600
aaggaggtga acctggcggc taccacggac aagcggacat ccttctacct gcccctagat     660
gccatcaagc agctgcacat cagcagcacc accaccgtca gtgaggtcat ccaggggctg     720
ctcaagaagt tcatggttgt ggacaatccc cagaagtttg cactttttaa gcggatacac     780
aagg                                                                   784
```

```
        <210> 2630
        <211> 387
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(390)
        <223> similar to gi3170979 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2630
tttcgtccca agtacacttg gtgcagtctg gggctgaggt gaagaagcct ggggcctcag      60
tgaaagtctc ctgtaaggct tctggataca tctttagcga ctacttatta cactgggtgc     120
gacaggcccc tggacaaggg cttgagtgga tgggatggtt caatcccaaa agtggcgcca     180
cagagtatgc acagaagtct cggggcaggg tcaccatgac caggatcatg tccatcagca     240
cggcctacat ggaactgagc aggcttacat ctgacgacac ggccatttat tactgcgcga     300
gagggagtta ctatgttcag ctggtgtaca gtatagtgag gggtgctttt gacaggtggg     360
gccaggggac agtggtcacc gtctctt                                          387
```

```
        <210> 2631
        <211> 572
        <212> DNA
        <213> Homo sapiens
```

1546

<220>
<221> misc_feature
<222> (2)...(574)
<223> similar to gi303603 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2631
cctgctgagt ggtggtgaca agtggagccg ccaccgtcgg atgttgacgc ctgccttcca   60
tttcaacatc ttgaagcctt atatgaagat tttcaacaag agtgtgaaca tcatgcacga   120
caagtggcag cgcctggcct cagagggcag cgccagactg gacatgtttg aacacatcag   180
cctcatgacc ttggacagtc tgcagaaatg tgtcttcagc tttgaaagca attgtcagga   240
gaagcccagt gaatatattg ccgccatctt ggagctcagt gcctttgtag aaaagagaaa   300
ccagcagatt ctcttgcaca cggacttcct gtattatctc actcctgatg ggcagcgctt   360
ccgcagggcc tgccacctgg tgcacgactt cacagatgcc gtcatccagg agcggcgccg   420
caccctcccc actcagggta ttgatgattt cctcaagaac aaggcaaagt ccaagacttt   480
agacttcatt gatgtgcttc tgctgagcaa ggatgaagat gggaaggaat tgtctgatga   540
ggacataaga gcagaagctg acaccttcat gt   572

<210> 2632
<211> 913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (342)...(916)
<223> similar to gi4966270 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2632
cagatctgcg atttcttgga gacatctcgc gcatagctgc tgatgtgaca gtgttatcac   60
atgttaattt tcctatgatg ggtcgtgtgg gagtaatcac tgtggttctt tgattctgct   120
tagggcaagc aagctccaca tatgcggaac aaactggaaa gctgaccgaa tttgtgtcta   180
acctggcgtg ggatttcgca gtcaaagaag ggttccgggt tttcaaagag atgcccttca   240
caaatccgtt aacaaggtcc taccacacgt gggccaggcc ccagtcccag tggtgcccca   300
caggcagcag gagttatagc tccgttccag aagcttcccc agctcatacc tcaaggggag   360
gtctggttat ctctccagag agcctctctc cacctgtcag agagctgtat caccggctga   420
agcacttcat ggagcaacgt gtgtaccctg cagagccaga gctgcagagt caccaggcct   480
cagcagccag gtggagcccc tccccactga tcgaagacct caaggagaaa gccaaagctg   540
aaggactttg gaaccttttc ctacccttag aggctgatcc cgagaaaaaa tacggagcag   600
gactgaccaa tgtggaatat gcacatctgt gtgagctcat gggcacgtcc ctgtatgccc   660
ccgaggtatg taactgctct gcgcctgaca cgggcaacat ggagctgctg gtgaggtatg   720
gcaccgaagc gcagaaggct cgctggctga ttcctctgct ggaggggaaa gcccgctcct   780
gttttgctat gaccgagccc caggttgcct cttcagatgc caccaacatt gaggcttcca   840
tcagagagga ggacagcttc tatgtcataa atggtcacaa atggtggatc acaggcatcc   900
tggatcctcg ttg   913

<210> 2633
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(609)
<223> similar to gi4580997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

      <400> 2633
tttcgtgcaa ctggttcggg aaggggaagc gggggttcat catgggcatc tggaattccc   60
acacatctgt gggcgacatc ctgggctccc tgatcgccgg catctgggtg aacgggcagt   120
ggggcctgtc gttcatcgtg cctggcatca ttactgccgt catgggcgtc atcaccttcc   180
tcttcctcat cgaacaccca gaagatgtgg actgcgcccc tcctcagcac cacggtgagc   240
cagctgagaa ccaggacaac cctgaggacc ctgggaacag tccctgctct atcaaggaga   300
gcggccttga gactgtggcc aaatgctcca aggggccatg cgaagagcct gctgccatca   360
gcttctttgg ggcgctccgg atcccaggcg tggacgagtt ctctctgtgt ctgctgatag   420
ccaagctggt cagttacacc ttcctctact ggctgcccct ctacatcgcc aatgtggctc   480
actttagtgc caaggaggct ggggacctgt ctacactctt ccatgttggt ggcatcatag   540
gcggaatcga ggcagggctc gtctctgact acaccaatgg cagggccacc acttgctgtg   600
tcatgg   606

      <210> 2634
      <211> 512
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (355)...(453)
      <223> similar to gi3493328 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

      <400> 2634
tttcgttctg tcagaacctg atggctgcct ccagtgtcgc tcccccggag aggtgaaggc   60
gcgggcagct ccctgagtgg tggggctcct ctgggtgcca cctcttgctg ggccaagtct   120
gcagaccagg gactcatgag ctcgtctccg caggagcatg cggcgatgct gagtttcatc   180
aaataggacg cagcagaagt tgggaagcac tgcagaagat gggttgtctt ccagaaagac   240
cactgttttg gggaacagct tggctctttc ttcggccgct ggtggttgga ttagctgttg   300
gagggatgtg caggactgaa tggctagtac tgatggtttc acggctgtct ctgcaggcag   360
ggtccctggg ctgccctctt cgtgaggacc atgtgtggac gtgtgctccc tgcagtgctc   420

```
acccggctct gccagctgct ccgtcaccag gtgaggctct ccttcatggg ggccacccttt    480
gggggcccac tctgagggcc aggctgctac tt                                   512
```

```
          <210> 2635
          <211> 340
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (6)...(343)
          <223> similar to gi4062472 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 2635
gccgctgcat tatctcagga atcgttctgg gatctctata tggcctgatg ccgctgtacc     60
tcaatcacaa aggggtgagc aatgccagca ttggtttctg gatggcggta ctggtcagtg    120
cgggtatcct tggacaatgg ccgattggac gtctggcgga taagtttggt cgactgctgg    180
tgttgcgtgt tcaggtcttt gtcgtcattc tcggcagtat cgcgatgctt agccaggcgg    240
cgatggcccc agcgttattc atcctcggtg ccgctggctt tacgctatat ccggtggcga    300
tggcatgggc ttgcgagaaa gttgaacatc atcaactggt                          340
```

```
          <210> 2636
          <211> 463
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (2)...(465)
          <223> similar to gi1742763 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 2636
tgaacacttc tttgccgcgc ttaatgcggc ggtagcctct gatggtacgt ttatttatgt     60
gcctaaaggc gtgcgctgcc cgatggaact ttccacctat tttcgcatta acgcacaaaa    120
aaccgggcag tttgagcgca ccattctggt ggccgacgaa gacagctacg tcagctacat    180
tgaaggctgt tccgctccgg tgcgtgacag ctatcagtta cacgcggcag tggtggaagt    240
catcatccat aaaaacgccg aggtgaaata ttccacggta caaaactggt ttcctggcga    300
taacaacacc ggcggtattc tcaacttcgt caccaagcgt gctttgtgcg aaggcgaaaa    360
cagcaaaatg tcatggacgc aatcagaaac cgggtcagcg attacgtgga aatatcccag    420
ctgcattttg cgcggcgata actccattgg tgagttttttg tca                     463
```

```
<210> 2637
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> similar to gi1787602 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2637
ctgcagctag ataatttcct caccaccgga tttctcgaca tcatcccact aagtcagccg      60
ctggagtttc ggcgggaagg gttgcaacat ggggtgctgg ataagctgcg cagtggtaaa     120
tatccgcaac aggcgagcct gaatcttttg cgccagccgg tggaagagtg ccgcaaaatg     180
gtgttcagtt ttattcaaca agccctggcg gatggtttgc gtaacgtgct gattattcat     240
ggtaaagggc gggatgataa atcgcatgcc aatattgtcc gcagctatgt ggcgcgctgg     300
ctgaccgaat ttgatgatgt tcaggcatat tgcaccgcgc taccgcatca tggcggcagc     360
ggggcgtgtt acgtcgcact acgtaaaacg gcgcaggcga agcaagaaaa ctgggagcgc     420
cacgctaagc gcagt                                                      435



<210> 2638
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)...(168)
<223> similar to gi5912034 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2638
atccccggtg aggcattcgg cacgagatgg aaccttgttt ttgtcggctt attttcctag      60
atgggaagtg atggaatttt acgcctcagt acttcagctc taaataatga attctttgca     120
tatgcagcac aagggtggaa acagcgactg gcagaaggta aatttgtatt ttctattatt     180
atgtgacata ttggagtaca cataccgtac tgagcttgta cctttctctg attttttcagt    240
cttttccccg acacagtaca ctttaattta gtaaaaactc atatcccttt ccaaatgagt     300
tcactgattc ttttgttata cttgacatta ttgatgtcag atatttttga agaaagcata     360
attttatctt ggacatcata aaatttttga tgcagcaaca ttttcttgcg gatggtaatt     420
ttaatgacat tggttgatcc                                                 440
```

1550

<210> 2639
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (195)...(329)
<223> similar to gi3806164 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2639
tggggaattc ggcacgagga ccactggcag ggtaatgccc accgctcgca gacccgggac   60
gagtttgccc agctcttcca gtacaaggca gtgagtggag ttggagttag ggcctgctag   120
agactggctg gtagctcggt ggtgagggct gggctccctc ctgctcgctt gtgaccttgg   180
tcccgccctt ttaggtgttc attttggaag agttgctgag ccccattgtc acacccctca   240
tcctcatctt ctgcctgcgc ccacgggccc tggagattat agacttcttc cgaaacttca   300
ccgtggaggt cgttggtgtg ggagatacct gctcctttgc tcagatggat gttcgccagc   360
atggtcatcc ccaggtactg ggagaggagg gagccaggtg gcctgggatg atgctggaac   420
atacagtgtc ttcgggaaaa ccgcaaaaag acacctctcc tgagtca   467

<210> 2640
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(669)
<223> similar to gi882460 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2640
ttattggtgc ttatcatgcc aattatcaca ccacgcaata tgtttatgag catcgcatgg   60
gcgtcaaacc tggcggcaat attgcactgc tggcgtgtgc aggtccgatg ggcattggcg   120
ctatcgatta cgccattaac ggcggcatac aaccgtcgcg ggtggtggtg gtcgatatcg   180
acgacaaacg tctggcgcag gtacagaagc tgctgccggt ggaactggcg gccagtaaag   240
gcattgagct ggtgtatgtg aataccaaag ggatgagcga tcctgtccag atgctgcggg   300
cgctgacagg agatgccggg ttcgatgaca tttttgttta tgcggcgggg cctgctgtcg   360
ttgagatggc tgatgaatta ctggcggaag atggctgtct gaacttcttt gccgggccga   420
cggataaaaa cttcaaagtg ccgtttaatt tctacaacgt ccattacaac agcacgcacg   480
tcgtcggtac atctggcggt tcaacggacg acatgaaaga ggcgattgcc cttatcgcca   540
ctgggcagtt acagccgtcg tttatggtga cccatatcgg tggcctggat gcggtgccag   600
aaaccgtgct caatctgccg gatatccctg gcgggaaaaa actcatttat aacggcggga   660

1551

```
        <210> 2641
        <211> 440
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(443)
        <223> similar to gi1651331 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2641
gtatcttatt tgcggcgctg atctggagtt cgttcgatga gaatatagaa gcttcagccg    60
gaggcggcgg tggttcgtcc atcgacgctg tcatggttga ttcaggtgcg gtagttgagc   120
agtacaaacg catgcaaagc caggaatcaa gcgcgaagcg ttctgatgaa cagcgcaaga   180
tgaaggaaca gcaggctgct gaagaactgc gtgagaaaca agcggctgaa caggaacgcc   240
tgaagcaact tgagaaagag cggttagcgg ctcaggagca gaaaaagcag gctgaagaag   300
ccgcaaaaca ggccgagtta aagcagaagc aagctgaaga ggcggcagcg aaagcggcgg   360
cagatgctaa agcgaaggcc gaagcagatg ctaaagctgc ggaagaagca gcgaagaaag   420
cggctgcaga cgcaaagaaa                                                440
```

```
        <210> 2642
        <211> 921
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(923)
        <223> similar to gi2623162 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2642
agaatctcgg cacgaggcgt tctctacctg tgtgataaag gttccccttg gccggtgtga    60
acgacatggg aagtgtaaaa aaacctgtat tgcctccaga gacccatatt gtggatggat   120
aaaggaaggt ggtgcctgca gccatttatc acccaacagc agactgactt ttgagcagga   180
catagagcgt ggcaatacag atggtctggg ggactgtcac aattcctttg tggcactgaa   240
tgggcattcc agttccctct tgcccagcac aaccacatca gattcgacgg ctcaagaggg   300
gtatgagtct aggggaggaa tgctggactg gaagcatctg cttgactcac ctgacagcac   360
agaccctttg ggggcagtgt cttcccataa tcaccaagac aagaatggag tgattcggga   420
aagttacctc aaaggccacg accagctggt tcccgtcacc ctcttggcca ttgcagtcat   480
```

```
cctggctttc gtcatggggg ccgtcttctc gggcatcacc gtctactgcg tctgtgatca    540
tcggcgcaaa gacgtggctg tggtgcagcg caaggagaag gagctcaccc actcgcgccg    600
gggctccatg agcagcgtca ccaagctcag cggcctcttt ggggacactc aatccaaaga    660
cccaaagccg gaggccatcc tcacgccact catgcacaac ggcaagctcg ccactcccgg    720
caacacggcc aagatgctca ttaaagcaga ccagcaccac ctggacctga cggccctccc    780
cacccagag tcaaccccaa cgctgcagca gaagcggaag cccagccgcg gcagccgcga    840
gtgggagagg aaccagaacc tcatcaatgc ctgcacaaag gacatgcccc ccatgggctc    900
ccctgtgatt cccacggacc t                                              921
```

        <400> 2643
```
gaatcttgca cgagcttacc ctgcactgtg agttacctaa agctcggcgt ccgtgatggt     60
ctacggcgct tctgaggcga tcaggcagcg tcagtcttca gccgggaagc caagaaggag    120
tcagtcagag agccttgggc cagagttcca ggagctctgg gagtggctgc caggactgtt    180
ctacatttgg cctgtgccca tggccatgtg gaagtggtca ctctcttgct ggggagaaga    240
tgcctgattg acatctgtga cagactaaac aggacgtctt taatgaagtt ctgccaagga    300
aagagaaaat acctttaat cccagggaaa ggattgcaat caccacatta taagagaact    360
atggggtat gaaacaaggc tgaaggcttt taaccatggg agaaaaaggt gttggtatta    420
ttcatatagc ataacctgag gttggagagg accacttggg agcctgtaac caaaattaaa    480
aggtaacttt tgggatggac ggaggttccc ttgaagcagt gccaacctaa atttacctca    540
ggtaagtagt tagattaact ttttcaagat ttcagaccaa acaagacaac ttgtattcag    600
ttgatgaatt cctatgcttt aatgttttg tttgccctta attattaaat aaacatttgt    660
tctgaaaaac tccaaaaaaa aaaaa                                          685
```

<400> 2644
```
gccacgccga tcactgacgc ttgtgcactg aaagccgtga ccatgattgc cgaaaacctg      60
ccgttagccg ttgaagatgg cagtaatgcg aaagcgcgtg aagcaatggc ttatgcccag     120
ttcctcgccg gtatggcgtt caataatgct tctctgggtt atgttcatgc gatggcgcac     180
cagctgggcg gtttctacaa cctgccacac ggtgtatgta acgccgtttt gctgccgcac     240
gttcaggtat tcaacagcaa agtcgccgct gcacgtctgc gtgactgtgc cgctgcaatg     300
ggcgtgaacg tgacaggtaa aaacgacgcg gaaggtgctg aagcctgcat taacgccatc     360
cgtgaactgg cgaagaaagt ggatatcccg gcaggcctac gcgacctgaa cgtgaaagaa     420
gaagatttcg cggtat                                                     436
```

<210> 2645
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(78)
<223> similar to gi219660 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2645
```
gttgttccag tacccagaca cggaggggaa ggtggaagac tttacggaac tcgtggagag      60
agctcatcag agtggggtag gtataccttt cttgtggggg gtccgtggag gcgtatccca     120
acttgtatct gtctacctat ctctctctct gtcttttcat gtgccttaat ttctttacca     180
ttatcacatg gaatggtaaa actctccttc ctgactcctt gctgctactt ttttctgttc     240
ccggattcct ggcacatggt gggcactcag tatgtattta ctgaatgaat gaatgagcaa     300
tggagttcac aggatgtgaa cacactctgc ccgtcttcct gtagttaaga taatttccta     360
ctctcccact actctcaggg aaaggtagca acct                                 394
```

<210> 2646
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(686)
<223> similar to gi1911490 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2646
```
gacagtagcc cacacttcca gccttgcaga ccatgaatgg gatggccaat gtgaatcccg      60
ccagccgccc tcactacgcc tccgccatcc cggagcctcg tgcctcttcc cagaccagga     120
ttcctacacc gggcgcttct ccccagctgc ggccacgcca ggccggcctg ccctgagcc      180
cacagagagc agcctccccc agactgggaa aggctgcagg tccttctaga aactcctctc     240
ctagggcctt ccggggggaga ggctctccca agtttgctgg ggcggtgagg gagtcagctg    300
aggatggggga aggcccccttc agctccccat ggaatagtcc caggacaacc ccgaaagcag   360
ccctctccag ccgggctgga tccggaagaa ttggcgagag acaaggcacc cagggaaaga    420
agaaaaaagc ccaggaaggg actccagtct gccagaccccg gggcagaagc ccttctcgga   480
cgaactttca cggagaaact caaataccag gggctccgga aggtcggaag cctccaagct    540
gcccaggaaa agaccaaaga gatataaact acaaaagttc tgggacccccc aggtctttgg   600
agcctgatga gggggcagct tcgtgggctt cctctccagt ctgcagccca gtgcagggca    660
agcgcccctc tccctctccg ggggccatta gcttctcctc agtccat                  707
```


<210> 2647
<211> 873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(876)
<223> similar to gi5811583 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2647
```
ttgatgcgca aattcggcac gagcgggagc tgaaggcggt gctcctggaa gctttggggt      60
cacccagtga ggatgtgagg gctgcagcct cgtatgcact gggccgcgtg ggtgctggca     120
gcctgcccga cttcctgccc ttcctgctgg agcaaatcga ggctgaaccc cgacgacagt     180
acctgctgct gcactcactc aaggaggccc tggggggccgc ccagcctgac agcctgaagc     240
cctacgccga ggacatctgg gccttgctgt tccagcgctg cgagggtgct gaggagggca     300
cccggggggt ggtggccgag tgcattggga agctggtcct tgtgaaccct tcgttccttc     360
tgccccgctt gcggaagcag cttgctcag gtcggccaca cacccggagc accgtcatca      420
cagcggtcaa gttccttatc tcggaccagc cccatccat tgaccccctc ctgaagagct      480
tcatcggaga gttcatggag agcctgcagg acccagacct gaacgtgcgc cgtgcgactc     540
tggctttctt caactcagct gtgcacaaca agccctcgct agtccgggac ctgctggatg    600
acatcctgcc cctcctctac caggagacaa agatccggcg ggacctcatc cgagaggtgg    660
agatgggggcc ctttaaacat acagtggacg atgggctgga cgtgcggaag gcggcctttg    720
aatgcatgta ttcactgctt gagagctgcc tgggccagct ggatatctgt gagttcctga    780
accatgtgga ggacgggctg aaggaccact acgacatccg gatgctgacc ttcatcatgg    840
ttgcccggct ggccaccctg tgtcctgcac ctg                                 873
```


<210> 2648
<211> 609
<212> DNA
<213> Homo sapiens

1555

<220>
<221> misc_feature
<222> (11)...(611)
<223> similar to·gi1561637 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2648
acacgctgga agaatcggca cgaggcaagc tgctcttgct gcagtcactc cctccccaac   60
cagtgcttca aagagatggc caggagcttc tgtgtggcca tcctgggacc tcctcgaagc   120
tcccaaagac cccttcagca tagagagaga ggccaggctg caccgacaag ctgcagctgt   180
gaatgaagcc acctgtacct ggagtggcca gcttcctccc cggaactata agaaccccat   240
ctactcttgc aaggtgtttc taggaggtgt tccttgggat attacagaag ctggattagt   300
taacaccttc cgtgtttttg gctctttgag tgtggagtgg cctggtaagg atggcaagca   360
tccccggtgt cctcccaaag ggtatgtgta tctggtcttc gaactagaga agtctgtccg   420
atccttgctt caggcttgct ctcatgaccc gctgagccca gatggcctga gtgaatatta   480
tttcaagatg tccagccgaa ggatgcgctg caaggaggtg caggtgatcc cctgggtatt   540
agccgacagt aactttgtcc ggagcccatc tcagaggctt gaccccagca ggacggtgtt   600
tgtcggtgg   609

<210> 2649
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(437)
<223> similar to gi4426629 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2649
tgccgtatgc aggaccagct ctgatgtaga tgacaaccct ccagtttta atcagctcat   60
ttatgagtca tatgtgagtg aattagcccc ccggggccat tttgtaacct gtgtacaagc   120
ctctgatgca gacagctctg attttgaccg gttggaatat agcattttat ctgggaatga   180
ccggacgagc tttctgatgg acagcaagag tggagttatc acattgtcca accatcggaa   240
gcagcggatg gagcctctgt acagtctcaa tgtgtctgtc tctgatgggt tgttcaccag   300
cactgcacag gtgcatatta gggtacttgg ggctaacttg tacagccctg cctttttcaca   360
aagcacatac gtagctgagg tgagagagaa cgtggctgca ggaacaaagg taattcatgt   420
tcgagccaca gatgg   435

<210> 2650
<211> 427

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(428)
<223> similar to gi164586 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2650
cctgcgtctg tcggcccgaa tatttatgaa catgatgacc agttaacacc taaaattggt   60
tttccctgga gtgaaatcag aaatatttca tttaatgaca aaaaattcgt tataaagcca   120
attgacaaaa aggcacctga ttttgtcttc tatgcacctc gtctgagaat caataaacga   180
attttggcct tatgtatggg aaaccatgaa ctgtacatgc gaaggagaaa gcctgatact   240
attgaagtac agcagatgaa ggctcaggcc cgggaggaaa agcatcagaa gcagctagaa   300
agggcacaat tagagaatga aaagaagaaa cgagaaatag cagaaaagga aaaggaaaga   360
atagaacgtg aaaaggaaga gctgatggag cgtctgaggc agatcgaaga gcaaacagtg   420
aaagcct   427

<210> 2651
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(414)
<223> similar to gi3810827 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2651
ggttccgtcg cgtgttgacg caatgtgatt tctgcctccc tgcacttgtt atggcacgtg   60
tccacaaaat cgaaaattta actgaagtcc ctgttgtttg tagtaacaac atcgaaaatt   120
taacaaaaac caaagccgca gtacaatttt taaaaaaaat taatgcatat gaagacgtac   180
aaaaatgtca agactcgaaa aaaatacggg ctggaaaggg aaaaatgcgt aatcgtcgtt   240
atactatgcg acgtggacct ctcgttgtat ttaaagagga tcatggtatt aaacaagcgt   300
ttagaaattt gcctggtgtt gatttgattc aagttgacag gcttaatttg ctaaagcttt   360
gccctggggg gcatattggg cggttcgtga ataggacaga agctgctttt g   411

<210> 2652
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(209)
<223> similar to gi4062584 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2652
```
tgcgatgatg acgcgtttcc ccaacgactc gctggatgcg gcgttatgtc atggtgatgt     60
gttgctacag atttgcgcca acacccagga cacggttatc catgcgctgc gcgatatcat    120
caaacacacg ccggatttgc tcagtgtgcg ctggaagcgg gaagggttta tttccgatca    180
cgcggcgcgt agtaaaggca aagagatggc gctccaacac ccctggtcaa cgcgaaaatg    240
ccacatagct tcggcaggca tgccaattaa acgggcgatt aacagactca gtacaccctg    300
atggctgacg actaaaatat tctgatagtg ctgaaattca ctaagccttg cgataaagcg    360
ttccacacgt tgcgaaaatg cctgaaatcc ttcaccgttc gt                       402
```


<210> 2653
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (109)...(782)
<223> similar to gi3581879 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2653
```
agagaatcct tcagccactg gggaatttct aagaaatgtc gagggtttga gacatcccag     60
aattaatgtc ttagatcctg gccagtggcc tcaaaagaag ccctgaagct ggatgactcc    120
cagatggaag ccttgcagtt tgctctcaca agggaactgg ctattattca aggacctcct    180
ggaacaggca aaacctatgt gggtctaaaa attgttcagg ccctcctaac caacgagtct    240
gtttggcaaa ttagcctcca gaagttcccc atcttggttg tgtgttatac taatcatgct    300
ttggaccagt ttctggaagg catctacaat tgtcagaaga ccagcattgt gcgggtgggt    360
ggaaggagca acagtgaaat cctgaagcag ttcaccctaa gggagctgag gaacaagcgg    420
gaattccgcc gcaacctccc catgcacctc cgaagggcct acatgagtat catgacacag    480
atgaaggagt cagagcaaga gcttcatgaa ggagccaaga ccctggagtg caccatgcgt    540
ggtgtcctac gggaacagta cctgcagaag tacatctcac ccccagcact gggaaagtct    600
catgaatggc cccagtgcag gatagtgaat ggattttctt cccagcactg gaagcattcc    660
atgatgctgg agtggctagg tcttggtgtc ggttctttca cgcaaagtgt ttctccagca    720
ggacctgaga atacagccca ggcagaaggg gatgaggagg aagaagggga ggaggagagt    780
tcgctgatag agatcgcaga ggaagctgac ctgattcaag cagaccgggt gattgaggag    840
gaagaggtgg tgaggcccca gcggcggaag aaggaagaga gtggagcaga ccaggagttg    900
gctaaaatgc ttctggccat gaggctagac cattgtggca ctgggacagc agctggacag    960
gagcaagcca caggagagtg gcagacccag cgcaaccaga aaaaaaaaa                1009
```


                                 1558

```
<210> 2654
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> similar to gi409792 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2654
tcgcttgagc tggtcgagta taaagttgcc cgcatcgcca ccaccatgcc ttacattcca      60
ggttttcttt ccttccgcga atatcctgcg ctgctggcag cgtgggagat gctgtcgcaa     120
aagccggatt tagtgtttgt cgatggtcat gggatctcgc atcctcgccg tcttggcgtc     180
gccagccatt ttggcttatt ggtggatgtg ccgaccattg gcgtggcgaa aaaacggctc     240
tgcggtaaat tcgaaccgct ctccagcgaa ccgggcgcgc tggccccact gatggataaa     300
ggcgagcagc tggcctgggt ctggcgcagc aaagcgcgct gtaacccgtt ggttatcgct     360
accggccatc gggtcagcgt ggacagcgcg ctggcgtggt ac                       402
```

```
<210> 2655
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(295)
<223> similar to gi216600 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2655
gcctgcctgc aggaattccc gccaaccgga tcgacgacct gccgaccacc ttttccggcg      60
gtatgcagca gcgtttgcag attgcccgca acctggtgac gcatccgaag ctggtgttta     120
tggatgaacc gaccggcggg ctggatgtgt cggtgcaggc ccgcctgctc gacctgctgc     180
gcggcctggt ggtggagctg aacctcgcgg tggtgattgt cacccatgat ttaggcgtcg     240
cccgcctgct ggcggaccgt ttgctggtga tgaagcaggg gcaagtggtg ga            292
```

```
<210> 2656
<211> 370
```
```
1559
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)...(359)
<223> similar to gi1655699 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2656
acttcagggc ttcttggtgt ttgggacaga tgccctgatc ggtcacgcgg ctccctcgac   60
caggggttgg gtgcatctgc cgaatcacct ggaccatatt ggccagctgc aggttggggc   120
ggaagctccg ccgaggaaag ctctttcggc actgagggca tgtgaagcac ctccgagggg   180
ctggaggcgg gggcagtggg gtgacggggt ctagatcctc ttcctcaacc tcctccagca   240
cttcctcctc gtcctcctca tcctccccc tcaggtcctc ctcctccatg tcccccaagt   300
agtagtccag gtcttcctcc tcgtcctcct cctcccacac atagtccatg ttgtcccagc   360
tggacctgct   370

<210> 2657
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (162)...(539)
<223> similar to gi2224607 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2657
ggttgcggaa ttcggcacga ggaaacaccc acgacaggaa caagttggcc cagaccctgc   60
cgcccaccca gctgcctccc tctgggacta agtgcctgga gagcctcctg ggctcagtgc   120
ccccgccctg ccctggcctc cacagccttc gggagctccc agacccagtg ctgagtgagg   180
aggtggtgga gggcattgct gctggcattg aggcagccct ctgggacctg acacaaggca   240
ccaatggccg gtacaagacc aagtatcgca gcctgctgtt caacctgcgg gaccccagga   300
acctggactt gtttctcaaa gtggttcatg gagatgtcac cccctacgac ctggtgcgga   360
tgagctcgat gcagctggcc ccccaggagc tggcccgctg gcgggaccag gaggagaaaa   420
ggggaccgca gatgttcatg gactgcagcc cacaggccct gcccatcgca tcagaggaca   480
ccacggggca gcatgaccac cacttcttag accccaactg ccacatctgc aagggtggga   540
ggggacacgg gagggggtgca ggggtggcag ccaggctggg gctgagcgtg cagttcagca   600
gcaacaggga tttgtggcct ggggagaggg tggcagagca ggggtgcccg tgccccaggt   660
cacctaga   668

1560

<210> 2658
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(630)
<223> similar to gi3449294 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2658
ttcccgggtc gacgatttcg tgctacaggc aggtgtatac cacggaggcc cggaccgtgc   60
tcaggtgctg ccgagggtgg atgcagcagc ccgacgagga gggctgcctc tcggctgaat   120
gcagcgccag cctctgtttt cacggtggcc gttgtgtgcc aggctcagcc cagccgtgtc   180
actgtccccc cggcttccag ggaccccgct gtcagtatga tgtggacgaa tgccgaaccc   240
acaacggtgg ctgccagcac cggtgcgtga acaccccagg ctcctacctc tgtgagtgca   300
agcccggctt ccggctccac actgacagca ggtcctgcct ggccattaac tcctgcgccc   360
tgggcaatgg cggctgccag caccactgtg tccagctcac aatcactcgg catcgctgcc   420
agtgccggcc cgggttccag ctccaggagg acggcaggca ttgtgtccgt agaagcccgt   480
gtgccaacag gaacggcagc tgcatgcaca ggtgccaggt ggtccggggc ctcgcccgct   540
gtgagtgcca cgtgggctat cagctagcag cggacggcaa ggcctgtgaa gatgtggacg   600
aatgtgccgc aaggctggcc cagtgtg   627

<210> 2659
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(486)
<223> similar to gi3786494 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2659
ccctctggtc cacgtggtgg aattcggtct gattgggagg acgcagagga gcgccggggt   60
cgaccagaac cacccccggg ctgtgctggt ccccagtagc ctccggattg gaatcattcc   120
cgcagggtca acggactgcg tgtgttactc caccgtgggc accagcgacg cagaaacctc   180
ggcgctgcat atcgttgttg gggactcgct ggccatggat gtgtcctcag tccaccacaa   240
cagcacactc cttcgctact ccgtgtccct gctgggctac ggcttctacg gggacatcat   300
caaggacagt gagaagaaac ggtggttggg tcttgccaga tacgactttt caggtttaaa   360
gaccttcctc tcccaccact gctatgaagg gacagtgtcc ttcctccctg cacaacacac   420
ggtgggatct ccaagggata ggaagccctg ccgggcagga tgctttgttt gcaggcaaag   480
caagcagcag ctggaggagg agcagaagaa agcactgtat   520

```
<210> 2660
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(448)
<223> similar to gi1763306 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2660
cgttatgacc atgaacgcca agcttggcac gagggtggaa tgagtaatgg catggtgtgt       60
gcatctggag accggagtca ttacagtgat tctcagctct ctttacatga ggatctttct      120
ccatggaagg aatggaatca aggagctgat ttaggcttgg attcatccac ccaggaaggt      180
tttgattatg aaacaaacag tcttttgac caacagcttg atgtttacaa taaagaccta       240
gaatacttgg gaaagtgcca cagtgatctt caagatgact cagagagcta cgacttaact      300
caagatgaca attcttctcc atgccctggc ttggataatg aaccacaagg ccagtgggtt      360
ggccaatatg attcttatca gggagctaat tctaatgagc tataccaaaa tcaaaaccag      420
ttgtccatga tgtatcgaag tcaaagt                                          447



<210> 2661
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(642)
<223> similar to gi1840399 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2661
tcattacgcc tagcttggca cgagggcaaa ctgcacttca gcgtctatga ctttgaccgc       60
ttctcgcggc acgacctcat cggccaggtg gtgctggaca acctcctgga gctggccgag      120
cagccccctg accgcccgct ctggagggac atcgtggagg gcggctcgga aaaagcagat      180
cttggggagc tcaacttctc actctgctac ctccccacgg ccgggcgcct caccgtgacc      240
atcatcaaag cctctaacct caaagcgatg gacctcactg gcttctcaga cccctacgtg      300
aaggcctccc tgatcagcga ggggcggcgt ctgaagaagc ggaaaacctc catcaagaag      360
aacacgctga accccaccta taatgaggcg ctggtgttcg acgtggcccc cgagagcgtg      420
gagaacgtgg ggctcagcat cgccgtggtg gactacgact gcatcgggca caacgaggtg      480
atcggcgtgt gccgtgtggg ccccgacgct gccgacccgc acggccgcga gcactgggca      540
gagatgctgg ccaatccccg caagcccgtg gagcactggc atcagctagt ggaggaaaag      600
actgtgacca gcttcacaaa aggcagcaaa ggactatcag a                          641



                                1562
```

```
<210> 2662
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(408)
<223> similar to gi4432814 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2662
ggaagggagc aaactggact gcaatgccaa gcagtggagg ctttttgcgg acatcctcaa      60
tgacgtagcc atgttccttg agattatggc tcctgtatac ccaatctgtt tcaccatgac     120
cgtctccacc agcaacctag ccaagtgcat cgtgagtgtt gctggtgggg ccactcgggc     180
tgccctgacc gtgcaccagg ctcggaggaa caacatggct gacgtgtcag ccaaggacag     240
catccaggag acgctggtga acctggcggg gctcttggtc agcctcctga tgctccctct     300
ggtgtcaggt tgccctggct tcagccttgg atgtttcttc ttcctcactg gcctccacat     360
ctacgccaac taccgcgcgg gccgagccct ggtcatggag accttg                   406




<210> 2663
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(570)
<223> similar to gi1297319 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2663
ctcacgagaa tacctccaga aagcacagga tgaactcctg gatctccagg acaaggtgat      60
tcaggcagta ggtagcaact ccagcatgtt ggcggagatt gaagtgctgc gccagcgggt     120
gctgagaatt gaaggcaaag acgaggaaat taagagagca gaggatctgt gtcgtctgat     180
gaaggagaaa cttgaagagg aagaaaacct cacccgggag ctgaaatctg agattgagcg     240
gcttcagaaa cgaatggctg aattagagaa gctagaagag gccttcagca ggagtaagaa     300
tgactgtacc cagctgtgtc tgagcctgaa tgaggagaga aatctgacca agaaaatctc     360
ctctgagctg gaaatgctca gagtcaaagt gaaagaacta gaatcttctg aggaccgcct     420
ggataaaact gagcagagtt tagcgtcaga gttagaaaag ctgaaatcat taactctgag     480
ctttgtaagt gagagaaaat acttgaatga aaaggagaaa gaaaatgaga aattgataaa     540
agaactcact caaaaactag agcagaac                                       568
```

<210> 2664
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (337)...(531)
<223> similar to gi1280485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2664
```
cgtcgacgac aattagaggc aagtctatcc caaaactgag tcttatgtta ataatgtttt      60
ttattttctg tcttctcaga cagctcagct ctctcaagcc agcggaatag tttcccaact     120
tccttttgga ccagctctta ccagccccca cctgcacctt gtttgggggg agttcatcct     180
gacttccagg tcactggacc ccctggcacc ttttctgcag ctgatcccag tccttggccg     240
ggacacaacc tgcatcagac tggcccagcc cctcccctg ctgtgtctga gtcctggcct      300
tatcctttga catctcaggt gagcccatcc tacagccata tgcatgacgt gtacatgcgg     360
caccaccacc ctcatgccca catgcaccac cgccaccgcc accatcatca ccatcaccac     420
cctcctgctg gctctgccct ggatccatcc tatgggcctc tgctgatgcc ttcagtgcat     480
gcggccagga ttcctgctcc ccagtgtgac atcacaaaga cagaaccaac tacagtcacc     540
tctgctacct cagcatgggc tggagccttt catggaacag tagacatagt gcccagcgtg     600
ggattcgata caggtct                                                    617
```

<210> 2665
<211> 976
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (369)...(973)
<223> similar to gi5668816 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2665
```
caacatcgac gtcagacctc ttccccacag cctcggcctc ttccacggag ccttctcctg      60
cagggcgaga gcgttcctcc agttgtgggt ctgggggtgg tggcatcatc ccctaaagga     120
agtggtccct ctgtggcaag tgatgaagtc tccagctttg cctcagctct cccagacaga     180
aagactgcgt ccttttcgtc gttggaaccc caggatcagg aggatttggg agcccgtgaa     240
gaagaaaatg agaggagatg gggacctttg acctgaacgg gcagttgttg gtcgcacaac     300
cgcgtagaaa tgcccaaacc gtccacgagg acgtcagagc agcggctggg aagccagaca     360
```

```
agatggagga gacgctgaca tgcatcatct gccaggacct gctgcacgac tgcgtgagtt    420
tgcagccctg catgcacacg ttctgcgcgg cttgctactc gggctggatg gagcgctcgt    480
ccctgtgtcc tacctgccgc tgtcccgtgg agcggatctg taaaaaccac atcctcaaca    540
acctcgtgga agcatacctc atccagcatc cagacaagag tcgcagtgaa gaagatgtgc    600
aaagtatgga tgccaggaat aaaatcactc aagacatgct gcagcccaaa gtcaggcggt    660
cttttctga tgaagaaggg agttcagagg acctgctgga gctgtcagac gttgacagtg    720
agtcctcaga cattagccag ccatacgtcg tgtgccggca gtgtcctgag tacagaaggc    780
aggcggcgca gcctccccac tgcccagcac ccgagggcga gccaggagcc ccacaggccc    840
tgggggatgc accctccacg tccgtcagcc tgacgacagc agtccaggat tacgtgtgcc    900
ctctgcaagg aagccacgcc ctgtgcacct gctgcttcca gcccatgccc gaccggagag    960
tggagcgcga gcagga                                                   976
```

```
<400> 2666
gcgctgagcc ggctccgaga actctgtcgt cggtggctga gacccgagct gctctccaag     60
gagcagatcc tggagctgct ggtgctggag cagttcctca ccatcctgcc cgaggagctt    120
caagcctggg tgcgagagca ctgcccagag agcggggagg aggcggtggc cgtggtgcgg    180
gctctgcagc gagcgctcga tggaacctca tcccagggga tggtgacttt cgaggacacg    240
gctgtgtctc taacctggga ggagtgggag cgcctggacc cagcacggag ggacttctgc    300
agagagagtg cgcagaagga ttccgggagc acagttccgc cgagtgacac tgtttatgga    360
ccgtaagagc tgaccgctgt ctgaaggctt gcccacagac cttacactca aaaggattct    420
ctaaaaagtg aattctttga tgttgatcaa accatgcctt acgcctaatg acttttccac    480
attcactgca ttcataagac tttgctcttg tgagaattcg ctcatgcccc aaaagcaaag    540
atctttgatt gaagggtttg ccatcctcat catatctgcc ctgcttccac cttgtttgcg    600
cattctgatc ttgaataagg ttaaggtttt gaaggaagcc cctgctgtat tcatcaccac    660
tagtagggaa agtaagcctg caactgtcca caaattcttt acacttatgt aacttttctg    720
aaagtttctc agctgattcc tgcattacca ctgatatctt atatgactct aaatcttcag    780
aaaatttctg ttttggagtt agctttttca tcttgtgtct ggcttcagaa cctagccaaa    840
taacaagaaa agatgtaaat gacctatcca ctgcatttga aa                       882
```

<221> misc_feature
<222> (1)...(117)
<223> similar to gi1750387 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2667
gcgatggaaa tcgtccacga gccgcgcgac ctcgagcgtt acatgcgcga ggccgtgaag   60
gtgtcgaacg attcgccggt gctgctcgac cgcttcctga acgacgcgat cgagtgcga   119

<210> 2668
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> similar to gi1017722 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2668
tacaaatgtg aagaatgtgg caaagccttt actcggtcca cagccctgaa tgaacataag   60
aaaattcatt ctggagagaa accctacaaa tgcaaagaat gtggcaaagc ctataactta   120
tcctcaaccc ttactaaaca taagagaatt catactggag agaaacccctt cacatgtgaa   180
gaatgtggca aagccttcaa ttggtcctca tcccttacta aacataagat aattcatact   240
ggagagaaat cctacaaatg tgaagaatgt ggcaaagctt ttaatcggcc ctcaacccctt   300
actgtacaca agcgaattca tactggcaag gaacatagtt gaatgacatt tctagtaatc   360
tctaattcca gtgtctttac acagcaaata aattggag   398

<210> 2669
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(401)
<223> similar to gi1212992 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2669

```
acagaacatg gatatgaggc atcaatagcc ggtagtgcta ttgccacatt acaaaaagag      60
ttgtcagcca catcttctgc tcagaagatc accaaatcgg tgaaggctcc tactgtgaag     120
cccagtgaga ctagagtaag ggcagagccc acacccttgc cacagttccc cttcgctgac     180
acaccagata cttacaagag tgaagctggc gttgaggtga aaaaggaagt aggggtgagc     240
atcactggca ccaccgtccg tgaagagcgc tttgaagtac tgcacggacg cgaagccaag     300
gtaacagaaa cagcaagagt accagcacct gttgaaattc ctgttactcc accaactttg     360
gtctcgggct taaaaaatgt gactgtcata gaaggtgaaa                           400
```

<210> 2670
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(165)
<223> similar to gi4883437 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2670

```
aaacagggga tttaagtgtg tcttttgtgt ttgcaaggca ctaacaccac tcccgtctgt      60
atttaaatgc tgtccccagg ttacgactat ggctatgtct gcgtggagtt ttcactcttg     120
gaagatgcca tcggatgcat ggaggccaac caggttgctt tatacttcgg tcaaatgatg     180
ctggaaggat atattttttt atatatgggg agggagggtt tcaaatgatt ttactttgga     240
aaggtacaag aagtctatct gtggagcata ctgtattcca accatcggtt gtgaggaaaa     300
tctttaaaaa ggctggaaag ctttctctag aaaacttaat gggcacagag tgcattttaa     360
aagctagagc ccagttgctt ttggactaga ttccaaaa                             398
```

<210> 2671
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(511)
<223> similar to gi1212992 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2671

```
cccatcaggt ctgttaggtc tccattgctc atgcgtaaga ctcaggcatc caccgtggcc      60
acaggtgctg aagtgcctcc cccttggaag caagagggct acgtggcctc ctcatctgag     120
```

```
gctgagatga gagagacaac gctgacaacc tctactcaga tcaggacaga agagagatgg      180
gaagggagat acggtgtcca ggagcaagtg accatcagtg gtgctgcggg tgctgccgcc      240
agtgtgtcgg ccagtgctag ctacgcagca gaggctgttg ccactggtgc taaagaggtg      300
aaacaagatg ctgacaaaag tgcagctgtt gcgactgttg ttgctgccgt tgatatggcc      360
agagtgagag aaccagtgat cagcgctgta gagcagactg ctcagaggac aaccacgact      420
gctgtgcaca tccaacctgc tcaagaacag gtaagaaagg aagcggagaa gactgctgta      480
actaaggtag tagtggccgc cgataaagcc                                      510
```

```
          <400> 2672
cagtaaccgg gtcgacgatt tcgtctgtga agctccatgt ggtggacatc tgacagcgtc       60
cagcggagtc attttgcctc ctggatggcc aggatattat aaggattctt tacattgtga      120
atggataatt gaagcaaaac caggccactc tatcaaaata acttttgaca gatttcagac      180
agaggtcaat tatgacacct tggaggtcag agatgggcca gccagttcgt ccccactgat      240
cggcgagtac cacggcaccc aggcacccca gttcctcatc agcaccggga acttcatgta      300
cctgctattc accactgaca acagccgctc cagcatcggc ttcctcatcc actatgagag      360
tgtgacgctt gagtcggatt cctgcctgga cccgggcatc cctgtgaacg gccatcgcca      420
cggtggagac tttggcatca ggtccacagt gactttcagc tgtgacccgg ggtacacact      480
aagtgacgac gagcccctcg tctgtgagag gaaccaccag tggaaccacg ccttgcccag      540
ctgcgacgct ctatgtggag gctacatcca agggaagagt ggaacagtcc tttctcctgg      600
gtttccagat tttatccaa actctctaaa ctgcacgtgg accattgaag tgtctcatgg      660
gaaaggagtt caaatgatct ttcacacctt tcatcttgag agttcccacg actatttact      720
gatcacagag gatggaagtt tttccgagcc cgttgccagg ctcaccgggt cggtgttgcc      780
tcatacgatc aaggcaggcc tgtttggaaa cttcactgcc cagcttcggt ttatatcaga      840
cttctcaatt tcgtacgagg gcttcaatat cacattttca gaatatgacc tggagccatg      900
tgatgatcct ggagtccctg ccttcagccg aagaattggt tttcactttg gtgtgggaga      960
ctctctgacg ttttcctgct tcctgggata tcgtttagaa ggtgccacca agcttacctg     1020
cctgggtggg ggccgccgtg tgtggagtgc acctctgcca aggtgtgtgg ccgaatgtgg     1080
agcaagtgtc aaaggaaatg aaggaacatt actgtctcca aattttccat ccaattatga     1140
taataaccat gagtgtatct ataaaataga aacagaagcc ggcaagggca tccaccttag     1200
aacacgaagc ttccagctgt ttgaaggaga tactctaaag gtatatgatg gaaaagacag     1260
ttcctcacgt ccactgggca cgttcactaa aaatgaactt ctggggctga tcctaaacag     1320
cacatccaat cacctgtggc tagagttcaa caccaatgga tctgacaccg accaaggttt     1380
tcaactcacc tataccagtt ttgatctggt aaaatgtgag gatccgggca tccctaacta     1440
cggttatagg atccgtgatg aaggccactt taccgacact gtagttctgt acagttgcaa     1500
cccgggggtac gccatgcatg gcagcaacac cctgacctgt ttgagtggag acaggagagt     1560
gtgggacaaa ccactacctt cgtgcatagc ggaatgtggt ggtcagatcc atgcagccac     1620
atcaggacga atattgtccc ctggctatcc agctccgtat gacaacaacc tccactgcac     1680
ctggattata gaggcagacc caggaaagac cattagcctc catttcattg ttttcgacac     1740
ggagatggct cacgacatcc tcaaggtctg ggacgggccg gtggacagtg acatcctgct     1800
```

```
gaaggagtgg agtggctccg cccttccgga ggacatccac agcaccttca actcactcac   1860
cctgcagttc gacagcgtgt att                                           1883
```

```
<400> 2673
cccacgcgtc cgctcctctg ggggtcaaga ggaccccgcc agccagcagt gggcacgacc     60
gcgcttcaca cagccctcca agatgaggcg ccgggtgatc gcacggcccg tgggtagctc    120
cgtgcggctc aagtgcgtgg ccagcgggca ccctcggccc gacatcacgt ggatgaagga    180
cgaccaggcc ttgacgcgcc cagaggccgc tgagcccagg aagaagaagt ggacactgag    240
cctgaagaac ctgcggccgg aggacagcgg caaatacacc tgccgcgtgt cgaaccgcgc    300
gggcgccatc aacgccacct acaaggtgga tgtgatccag cggacccgtt ccaagcccgt    360
gctcacaggc acgcacccg tgaacacgac ggtggacttc ggggggacca cgtccttcca    420
gtgcaaggtg cgcagcgacg tgaagccggt gatccagtgg ctgaagcgcg tggagtacgg    480
cgccgagggc cgccacaact ccaccatcga tgtgggcggc cagaagtttg tggtgctgcc    540
cacgggtgac gtgtggtcgc ggcccgacgg ctcctacctc aataagctgc tcatcacccg    600
tgcccgccag gacgatgcgg gcatgtacat ctgccttggc gccaacacca tgggctacag    660
cttccgcagc gccttcctca ccgtgctgcc agacccaaaa ccgccagggc cacctgtggc    720
ctcctcgtcc tcggccacta gcctgccgtg gcccgtggtc atcggcatcc cagccggcgc    780
tgtcttcatc ctgggcaccc tgctcctgtg gctttgccag gcccagaaga gccgtgcac    840
ccccgcgcct gcccctcccc tgcctgggca ccgcccgccg gggacggccc gcgaccgcag    900
cggagacaag gaccttccct cgttggccgc cctcagcgct ggccctggtg tggggctgtg    960
tgaggagcat gggtctccgg cagccccccca gcacttactg ggcccaggcc cagttgctgg   1020
ccctaagttg taccccaaac tctacacagg acattccaca ccacacacat acacacaccc   1080
cccaccctcc tgccaattaa acagtagcca ttccccnaaa atnnnnnnnn nnnnnnncnn    1140
nnnnnnnnnn nnnnnctcgg cccccgccta ttcaccg                            1177
```

<220>
<221> misc_feature
<222> (53)...(1525)
<223> similar to gi3874304 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2674
tttcgtcacg gaggaggaag ccgccggtgc gtcgggacgg gagcgcaggt gctcgggcac   60
ccgagctgga gctccgcagc cgccggtcat gtaccgctcc accaagggcg cctccaaggc   120
gcgccgggac cagatcaacg ccgagatccg gaacctcaag gagctgctgc cgctggccga   180
agcggacaag gtccggctgt cctacctgca catcatgagc ctcgcctgca tctacactcg   240
caagggcgtc ttcttcgctg gtggcactcc tctggcgggc cccacggggc ttctctcagc   300
tcaagagctt gaggacatcg tagcggcact acccggcttt ctgcttgtgt tcacagccga   360
ggggaaattg ctctacctgt ctgagagtgt gagcgagcat ctgggccact ccatggtgga   420
cctggttgcc cagggtgaca gcatctacga catcattgac ccagctgacc acctcactgt   480
gcgccagcaa ctcaccctgc cctctgccct ggacactgat cgcctcttcc gctgccgctt   540
caacacctcc aagtccctca ggcgccagag tgcaggcaac aaactcgtgc ttattcgagg   600
ccgattccat gctcacccac ctggagccta ctgggcagga aatcccgtgt tcacagcttt   660
ctgtgccct ctggagccga gaccccgccc aggtcctggc cctggccctg gccctgcctc   720
gctcttcctg gccatgttcc agagccgcca tgctaaagac ctggctctac tggacatctc   780
cgagagtgtc ctaatctacc tgggctttga gcgcagtgaa ctgctttgta aatcatggta   840
tggactgctg cacccccgagg acctggccca cgcttctgct caacactacc gcctgttggc   900
tgagagtgga gatattcagg cagagatggt ggtgaggcta caggccaaga ctggaggctg   960
ggcatggatt tactgcctgt tatactcaaa aagtccagag ggacccatta ctgccaataa 1020
ctacccaatc agtgacatgg aagcctggaa cctccgccag cagttgaact ctgaagacac 1080
ccaggcagct tatgtcctgg gcactccgac catgctgccc tcattccctg aaaacattct 1140
ttcccaggaa gagtgctcca gcactaaccc actcttcacc gcagcactgg gggctcccag 1200
aagcaccagc ttccccagtg ctcctgaact gagtgttgtc tctgcatcag aagagcttcc 1260
ccgaccctcc aaagaactgg acttcagtta cctgacattc ccttctgggc ctgagccttc 1320
tctccaagca gaactaagca aggatcttgt gtgcactcca ccttacacgc cccatcagcc 1380
aggaggctgt gccttcctct tcagcctcca tgagcccttc cagacccatt gcccacccc 1440
atccagcact cttcaagaac agctgactcc aagcactgcg accttctctg atcagttgac 1500
gcccagcagt gcaaccttcc cagatccact aactagccca ctgcaaggcc agttgactga 1560
aacctcggtc agaagctatg aagaccagtt gacaccctgc acctccacct tcccagacca 1620
tgtattgcgg ccgctcggag gatcaagcat acgac   1655

<210> 2675
<211> 1268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1269)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (25)...(1140)
<223> similar to gi1825586 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
        <400> 2675
acccgttacg acccacgcgt ccgccgagat cgctgtggca caagtgatcc ttatgtgaaa    60
tttaagctga atgggaagac gctgtacaaa agtaaagtca tatataagaa cttgaaccca   120
gtatgggatg agatagttgt attgccaatc caaagccttg atcaaaagct acgtgtgaag   180
gtatatgatc gagatttaac cacatctgat ttcatgggtt ctgcatttgt cattctcagt   240
gatcttgagc ttaacagaac aactgaacat attttaaaac tggaagatcc aaacagttta   300
gaagatgaca tgggagtgat cgtcttaaat ttgaacctag tggtaaaaca gggtgatttc   360
aagagacacc gttggtcaaa tcggaagcga ttaagtgcca gcaagtcctc tttgatacgc   420
aacctacggc tctctgagtc cttgaaaaag aaccaactct ggaacgggat tataagtata   480
actttgttgg aagggaagaa tgtctcagga ggaagcatga cagagatgtt tgtccagtta   540
aaactgggag atcagaggta taaaagtaag acactgtgta agagtgcaaa tccgcagtgg   600
caggaacagt ttgactttca ctacttctct gacaggatgg gcattttgga cattgaagtg   660
tggggaaagg acaacaaaaa gcatgaggaa cgtctgggca cgtgtaaagt ggatatctcg   720
gcactccctc tgaagcaagc caactgcctg gagctgccac tggacagctg tctgggggct   780
ctccttatgt tggtcacact tacaccctgt gcggggggtct ccgtctctga tctgtgtgtc   840
tgccccttag cagacctcag cgaaagaaag cagattaccc agcgatattg cttacagaac   900
tccctgaaag atgtgaaaga cgtcggcatt ctacaagtga aggttttaaa ggcagcagat   960
ctcttagcgg cagatttctc agggaagagt gacccatttt gcttgttgga gttaggcaat  1020
gaccgacttc agacgcatac cgtctacaaa aacctcaacc ctgaatggaa caaagttttt  1080
acatttccca ttaaagatat ccatgatgtt ttggaagtga cagtgtttga tgaagatgga  1140
gataaannnn nnnnnnnnnn nnnnnnnnnn nnnaaanaan naanaaaaan nnaaannnnn  1200
nnnnnnnnnn nnnnnnnnnn ngggcggcct tttaaaaaaa aacaattttt ttggcgcggg  1260
gtggggga                                                           1268
```

        <210> 2676
        <211> 100
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (21)...(94)
        <223> similar to gi3885978 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

```
        <400> 2676
tgaattttca ttttacaggg aagtgtttgt ttatgtcagg gctcagtgag gtccagctga    60
cccatatgga tgatcacact ctaccagggt attgaagctc                         100
```

        <210> 2677
        <211> 636

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (349)...(637)
<223> similar to gi2981175 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2677
ttgggcaagg agagaaagca cttacatcag accaagtttg ctgatgactt tagaaaaaga   60
catccaaatg tacactttgt gctaaatcaa gagtcaatga ctttgactgg tttgccaaat   120
caccttgcaa aggcgaagca gtatgttcta aaaggaggag gaatgtcttc attggctgga   180
aagaaattga aagagggtca tgaaacaccg atggacattg atagcgatga ttccaaagca   240
gcttctccgc cactcaaggg ctctgtgagt tctgaggcct cagaactgga caagaaggaa   300
aagggcatct gtgtcatctg tatggacacc attagtaaca aaaaagtgct accaaagtgc   360
aagcatgaat tctgcgcccc ttgtatcaac aaagccatgt catataagcc aatctgtccc   420
acatgccaga cttcctatgg tattcagaaa ggaaatcagc cagagggaag catggttttc   480
actgtttcaa gagactcact tccaggttat gagtcctttg gcaccattgt gattacttat   540
tctatgaaag caggcataca aacagaagaa cacccaaacc caggaaagag ataccctgga   600
atacagcgaa ctgcatactt gcctgataat aaggaa   636

<210> 2678
<211> 1783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(1657)
<223> similar to gi2224699 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2678
ctggcttgtc tggagccagc ctgtagggtt ggggagcctt tctctccata gttccagggt   60
ttggtgaagc atcttacacc agtaagtatt gattgaacgt ctgtcagtga cctctgcaaa   120
ctctgctttt gttgtaggaa gcagtacagg ttttgattaa gcactcagct gatgtcaatg   180
caagggacaa gaactggcag acccctcttc atgtggcagc agccaacaag gctgtcaaat   240
gtgcagaagt gatcattccc ctgctgagca gtgtcaatgt ctccgaccga ggggggcgca   300
cagccttgca ccatgcggct ctgaacggcc acgtggagat ggtcaattta ctcttggcca   360
aagggcaaa tatcaatgca tttgacaaga aggaccggcg tgctctgcac tgggcagcat   420
acatgggcca cttggatgtt gtagcattgc tcattaacca tggcgcagaa gtgacctgta   480
aggataagaa gggttatacc cctctgcatg ctgcagcctc caatggacag attaatgttg   540
tcaagcatct cctgaacctg ggggtggaga ttgatgaaat caatgtctat ggaaatacag   600
cgcttcacat cgcctgctac aatggacagg atgctgtggt taacgagttg attgactacg   660
gtgctaacgt gaaccagcca aacaataatg ggttcacccc tttgcatttt gctgctgcct   720
ccactcatgg tgctttgtgt cttgaattgt tagtaaacaa cggggcagat gttaacattc   780

```
agagtaaaga tggcaaaagt ccactgcaca tgacagctgt ccatggaagg ttcacacggt    840
cacagaccct cattcagaat ggaggtgaaa ttgactgtgt ggataaggac ggcaacactc    900
ctctccatgt ggctgcaaga tacggtcatg agcttttgat taacacctta ataaccagcg    960
gagctgacac agccaagtgt ggaatccata gcatgttccc tttacattta gctgccctaa   1020
atgctcactc tgactgctgc agaaagttgt tatcatcggg acaaaagtat agcatagtat   1080
ccttgtttag taatgagcac gtgctgtctg caggctttga aatagacacc ccagataaat   1140
ttggaagaac gtgccttcat gctgctgctg caggaggtaa tgtggaatgt ataaaactct   1200
tgcagagcag cggagcagat ttccataaaa aggacaagtg tgggaggacc cctttgcact   1260
atgcagctgc gaattgtcat ttccactgta ttgagacatt agtgaccaca ggggccaacg   1320
ttaatgaaac agatgactgg ggacgcacag ctttgcatta cgccgctgca tcagacatgg   1380
atagaaataa gactatctta ggaaatgccc atgataattc agaagaactt gaaagagcca   1440
gggagctgaa ggaaaaggaa gccacactat gtctagagtt tctgcttcaa aatgatgcaa   1500
atccatctat ccgggacaag gaaggttaca atagcataca ttatgctgcc gcctatgggc   1560
acaggcagtg tctggaattg ctttttggaaa gaacaaacag tggatttgaa gaatcagatt   1620
ctggtgctac taagagtcca ctccacttag ctgtaagtga gatgccatga gcagcttcac   1680
ctgttacaaa aacaacctaa gcattcctaa aactagattg ctcttaaaat gtaaatgtag   1740
taacacagtg atgagtggta gtgaaagtag tccgtggtaa aag                      1783
```

<210> 2679
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(199)
<223> similar to gi285983 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2679
```
gcccagccca cggtagagaa atgtccagca ccaattctgt tcaagtgtga tcaggtcaaa     60
gtgtgtgcta gagcacaggg gagttctgaa ccaggattgc ccccgacagg tcactcagct    120
ctatgtgcca gcatccagac atgtgtggag gttccggcgg atggggagga taggcccgct    180
gcagtccacc ctggacggtg agttctctag gacacaggggt tactgaggta tgaattacat    240
gctgtcaaat tcactccttt aatctacaga tctgttattt ttcataaact tatacagcca    300
tgtcactccc agcaggagct accatgtaga aaagtttcat cacccacaaa attgcctcta    360
gctccattgc ggccacctct tcagcagcc                                       389
```


<210> 2680
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (98)...(408)
```

<400> 2680

```
cggcacgagc ggcacgagag tcagagggtt ttaatttact tgtgaagctc acactattga    60
aactaattgc aatgcttgac tttattttct ttagagtcca agaaagagaa aaacaaggca   120
tagcacaaat cccctctag  agtgtcatgt tggttgggta atggattcca gagaccatgg   180
gccaggaaca tcctctgtca gcacttcaaa tgcttcacct tcagaaggcg caccactagc   240
aggaagttat ggatgtactc ctcattcatt cccaaagttc cagcatcctt ctcatgaact   300
tttgaaggaa aatggcttta cccaacaagt gtaccacaag tatcgtcgaa gatgcctaag   360
tgagagaaaa cgcttgggaa ttggtcagtc ccaagaaatg aatacc                  406
```

<210> 2681
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(384)

<400> 2681

```
aatagacagg ctacgcctgg acaaatacta tatgctgatt cgtctggtcc tgaggcagtc    60
ctttgaagtc ttgaagcgaa atggctggga agaaagccga atcaaggttt tcttggatgt   120
cctgatgaag gaggtcctgt gtcctgagag tcagtctcct aatggagtga gattccactt   180
cattgatatt tacctggatg aactctccaa agtcgggggg aaggagcttt tagcagatca   240
gaatctcaag tttatcgatc cattctgcaa aattgctgca aagacgaagg accacaccct   300
ggtacagacc atagctcggg gtgtcttcga agctatcgta gatcagtctc cttttgtgcc   360
tgaagagacg atggaggaac aa                                            382
```

<210> 2682
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(360)

<400> 2682
```
cccggcagcg gcggcagcgc gggggggccga gacggcagtg cctaccaggg cgcgctgttg       60
cctcgagaac agttcgcggc cccgcttggg cggccggtgg ggacctcgta ctccgccacc      120
tacccggcct acgtgagccc cgacgtggcc cagtcctgga ctgccgggcc cttcgatggc      180
agcgtcctgc acggcctccc aggccgcagg cccaccttcg tgtccgactt cttggaggag      240
ttcccgggtg agggtcgtga gtgtgtcaac tgcggggccc tgtccacacc gctgtggcgc      300
cgagatggca ccggccacta cctgtgcaat gcctgcggcc tctaccacaa gatgaatgg       359
```

<210> 2683
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (209)...(381)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2683
```
cctgatgcta tcttttgaca cagtcatatc ttgtttgtat attttaccat tagaaatatt       60
cttgttgaag tcaaaataaa atataaagac aaatctccaa atttaaagca ttttatttgg      120
gaagcaagaa ttgcaattca ggacatattg gtaggtggtg gtcttcagta tgttcaaaga      180
acaaagagaa ggttgggagt tttattagaa agaaaaattt gggggaaagg acttcctatt      240
caataaatgg tactgggata actggctagc tatatgcgga agattgaaac tggacccctt      300
acttacacca tatacaaaaa tcaactcaag atggactgaa gacctcaatg taaaacctaa      360
aactgtaaag actctggaac ctaaa                                           385
```

<210> 2684
<211> 954
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(239)
<223> similar to gi595481 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2684

```
cccagatcat cgacatggtg cgttgtggtg gtggtacagc tgtggagtct tacctgtcac    60
agtgtcaaga aatgaagggg atgaacggaa ccaggtgctg accctgtatc tgtggatacg   120
gcaggagtgg acagatgcct acctacgatg ggaccccaat gcctatggtg gcctggatgc   180
catccgcatc cccagcagtc ttgtgtggcg gccagacatc gtactctata acaagtactg   240
cctatctggg cccctcctct ctcttacccc tctctagact tgcccttagc tgtggggtg    300
tagtgatccc ctctccctac cacataacct ggttgccacg ctgccctgga agcttttccc   360
caggaccctt ctaagctgcc aagcactcag cccctccatg gcacccccac tttaggctat   420
cccaggccag cccaggctga acgtctcctc ggaacctact gtgtggtcca gggcagatgt   480
ctgaatcaca agggcctctc tagggcacac ttttagctct aagtctctca gggctccccc   540
aagagcctgt ctaagggtct ctttcctcca ggacatagcc ctctggaaca ctgctttatg   600
tctccttgac cagttccgtg tctcccagcc agcacatagc tctgcatatt ttctctgggg   660
cccttctaca agttttgcag atgtccccca agggaagtca ctgtgtgtcc cggagctacc   720
tctgggttct gcagaggcct ttttatacat cctctggcta cgtctgtgtc ccttctggcg   780
ccttcaggca ccacccttc caggcctcga aaggcagcgg gtctctctag gtgcactcca   840
ccctctgtgt tgctttgttc tgaaaacaag aatcaaatta acgaaaaaaa aacaagcaca   900
agtttattta tttatttgag acacagcctg ggcaagagag tgagacttca tctc         954
```

```
    <400> 2685
tcaaaaaaag taataataaa taaaataaat gtttatctta gaatagattc atatgaaatg    60
tcagaatttt ctaagtgtta aaaatactgt ttttggcata cagagtttca tcatgtctga   120
gttaagtgaa gaactctaaa atatgttttt ttccatcaag cttcgtttag aggcacttca   180
tcagatcctc gttctattgt ctgggatgga agaaaaaggt agcatctcac tggcaggaag   240
cagattgagt tcaggcttcc agtcctccac actactcacg tctgtgaggc tgcagttcct   300
agcagggtgt tttggtttag gcactgttgg tctcacagga gccaagggag agagtggccg   360
tttgcatcac ctacc                                                    375
```

<220>
<221> misc_feature
<222> (3)...(534)
<223> similar to gi984585 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2686
acaacgggga tatcgggcat gacgtgcgta accagctgct ggcaagcccg tcggtgctct   60
acaccgccac cgggattatg ttcgcgctgg cgggggtacc gggaatgccg cacctgccgt   120
ttttgctgtt cagcgccctg cttggtttta ccggctggcg gatgagcaaa cagccgctgg   180
cggcggaggc ggaagagaaa agcctcgaaa cgctgacccg caccatcacc gaaaccagcg   240
agcagcaggt cagttgggaa accattccgc tgatcgagcc tatcagttta agcctcggtt   300
acaaactggt ggcgctggtg gacaaagcac agggtaaccc gctcacccag cggattcgcg   360
gcgtgcggca ggtgatttct gacggcaacg gcgtgctgct gccggagatc cgcattcggg   420
aaaacttccg ccttaagccc agtcagtacg ccattttcat caacggcata aaggctgatg   480
aagcggatat tccggcggat aacctgatgg ccctgccctc cacccaaacc tncgtct   537

<210> 2687
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)...(452)
<223> similar to gi1736497 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2687
gatttaatgt ccgtacgccc tacaacacaa agagtgcgag aaaccctggc ggtaccacaa   60
gttaatcaga ctgtgcgcga catgtggcta ttctgggtga cctccagggg cccaaaatcc   120
gtgtatccac ctttaaagaa ggcaaagttt tcctcaatat tggggataaa ttcctgctcg   180
acgccaacct gggtaaaggt gaaggcgaca aagaaaaagt cggtatcgac tacaaaggcc   240
tgcctgctga cgtcgtgcct ggtgacatcc tgctgctgga cgatggtcgc gtccagttaa   300
aagtactgga agttcagggc atgaaagtgt tcaccgaagt caccgtcggt ggtcccctct   360
ccaacaataa aggtatcaac aaacttggcg gcggtttgtc ggctgaagcg ctgaccgaaa   420
aagacaaagc agacattaag actgcggcg   449

<210> 2688
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> similar to gi466625 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

        <400> 2688
acaagtacca gaccaaccta ttttggtgat accgatggct cagtcggtgc agttttgttc   60
gcgcttttcg caacgggaca tttgggaatc atggctgaag gagaaaattt ccttagccag   120
ttgcttaata tagaagatga agttctcaac gtattgctaa gggagaactt taatgagcaa   180
cttaacacta atgttaatac aataatcagt atcctgaaca gaagagacat tattttagaa   240
agtcttcagc cttatttagt tattaataaa gacgctgtga cgccatgtac gtttctgggc   300
gaccaaaccg gcgatcgatt tagcaatatc tgtggtgatc aatttatcat cgatttgtta   360
aaacgcataa tgagtatcaa tgaaag   386

        <210> 2689
        <211> 231
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(233)
        <223> similar to gi145175 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2689
gaacaccttc ctgccaagtc cgggcaaaat cacccgtttc cacgcacctg gcggttttgg   60
cgtacgttgg gagtctcata tctacgcggg ctacaccgta ccgccgtact atgactcaat   120
gatcggtaag ctgatttgct acggtgaaaa ccgtgacgtg gcgattgccc gcatgaagaa   180
tgcgctgcag gagctgatca tcgacggtat caaaaccaac gttgatctgc a   231

        <210> 2690
        <211> 507
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(475)
        <223> similar to gi537020 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 2690
```
tcgccgattc gtcggtatcc agacctgacg ctgcaccgcg ccattaaata tctgctggcg      60
aaagagcagg ggcatcaggg caacaccact gaaaccggcg gctaccatta ttcgatggaa     120
gagatgctgc aactgggtca gcactgttcg atggcggaac gtcgtgccga cgaagcaacg     180
cgcgatgtgg ctgactggct gaagtgtgac ttcatgctcg accaggtagg taacgtcttt     240
aaaggcgtaa tttccagcgt cactggcttt ggcttcttcg tccgtctgga cgacttgttc     300
attgatggtc tggtccatgt ctcttcgctg gacaatgact actatcgctt tgaccaggta     360
gggcaacgcc tgatggggga atccagcggc cagacttatc gcctgggcga tcgcgtggta     420
gttcgcatgg aaactaataa tatgaacgac agcattttcc cattcagcct gatctgcggg     480
tacggacatt aaatccgata gcatggc                                         507
```

<210> 2691
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(461)
<223> similar to gi4062459 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2691
```
tgttgcagcc aaaaggcaca ttgcgactgg ataaagacgc ccgtccattg ttgctgatcg      60
aagatccaga aacccgttta caccccatta tgctttcagt tgcctggcat ctgttgaatc     120
ttctgccatt gcagcgcatt gccaccacca actcgggtga gttgctttcg ttaacgccgg     180
tagagcatgt ttgccgactg gtacgtgagt cctcgcgcgt tgccgcctgg cgtctggggc     240
cgagtggctt gagtaccgaa gatagccgac gcatatcctt tcacattcgt tttaaccgtc     300
cgtcatcgct gtttgcacgc tgctggttgc tggtggaagg ggaaacggaa acctgggtta     360
tcaatgaact ggcgcgtcag tgcggacatc attttgatgc cgaagggatc aaggtcattg     420
agtttgccca gtccgggcta aagccactgg ttaaattt                             458
```

<210> 2692
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(346)
<223> similar to gi146208 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 2692
cggaagcgaa ctgtttaggc gctgtgatac cgccgcgatg tctatcggcg cgttaagccc      60
ggaagcccac gaggcgctgg cggaagcgat gaacagcatc ggcggtaatt cgaactccgg     120
tgaaggcggc gaagacccgg cgcgctacgg caccaacaaa gtgtcgcgca tcaagcaggt     180
ggcttccggt cgctttgggg ttactccggc gtatctggtc aatgccgacg tcattcagat     240
taaagtcgcc cagggcgcga agccaggcga aggcggtcag ttgccgggtg ataaagtcac     300
gccttacatc gccaaactgc gctattcggt gcccggagtg accg                      344


<210> 2693
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(346)
<223> similar to gi1736695 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2693
gccgttaaat cgtcgtatta ttaagcgata tcgggcgatt gtggtggggg atactgcgca      60
ggcaggcgct tctacggcat cacaacttct cgacgaacaa gaagccatta ccgtttttcga    120
ttttaaaacc aaactggagc tgcaaattag cggcctcggc tgcggctatt taccccgtta     180
tctggcgcaa cgttttctcg atagtggcgc gttaatcgag aagaaagtgg tcgcccaaac     240
tctctttgaa cccgtctgga ttggctggaa cgaacagacc gcaggacttg ccagtggctg     300
gtggcgggat gaaatttttag caaatagtgc gatcgccggt gttt                     344


<210> 2694
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(237)
<223> similar to gi1799905 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2694
```

```
tggctgatgg gcgcattccg gtaattgccg ggaccggcgc taacgctact gcggaagcca      60
ttagcctgac gcagcgcttc aatgacagtg gtatcgtcgg ctgcctgacg gtaacccctt     120
actacaatcg tccgtcgcaa gaaggtttgt atcagcattt caaagccatc gctgagcata     180
ctgacctgcc gcaaattggg tataatgagc cgtcccgcac tggctgcgat ctccgggtcc     240
gacgctggaa tgcgt                                                      255
```

```
        <210> 2695
        <211> 595
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(536)
        <223> similar to gi1789764 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 2695
tacgcactga ctggtgcgtt ggttattgtc accgggatgg tgatgggaaa tatcgccgat      60
tatttcaatc tgcctgtttc cagtatgagt aataccttca ccttcctcaa cgccggcatt     120
ttaatctcta tcttcctcaa cgcctggctg atggaaatcg tcccgttgaa aacgcagtta     180
cgttttggct ttctcctgat ggtgctggcg gttgccggtt tgatgttcag ccacagcctg     240
gcgctgttct cggcggcgat gttcattctc ggggtggtca gcggcatcac catgtcgatt     300
ggtacattcc tggtaacaca aatgtatgaa gggcgtcagc gcggttcccg cctgttattt     360
accgactcct tcttcagtat ggctgggatg attttcccaa tgatcgccgc gtttctactg     420
gcgcgcagca ttgagtggta ctgggtttat gcctgcatcg ggctggtgta tgtcgctatt     480
tttattctga ccttcggctg tgagttcccg gcgctgtgca gccatgcgac taagttgggt     540
accgccagta gttatcccag tctggacgtt gtacagctac ggacattgaa tgcgt          595
```

```
        <210> 2696
        <211> 202
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(205)
        <223> similar to gi146476 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 2696
tcggtcagcc gctgtttgtg cgcgataacc gcacggtgac gctgactgaa gcgggcgaag      60
agctgcgcgt tttcgcccag caaacgctgt tgcagtatca gcagttgcgc cacaccatcg     120
```

atcagcaagg gccgtcgctc tctggcgaat tacatatctt ctgctcggtg accgctgcct   180
acagccatct gccgccgatt ct   202

<210> 2697
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(552)
<223> similar to gi349229 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2697
tcttgaagag ccgctgctga tcaacaccag cttaagcaaa gaacagcgtc gggaaaaagc   60
cctgtcgatg atggcgaaag tcggcctgaa aaccgagcac tatgaccgct atccgcatat   120
gttctccggc ggtcagcgtc agcgtatcgc catcgcccgt ggtctgatgc tcgacccgga   180
tgtggtgatt gccgatgaac cggtttccgc gctggatgtt tcagtgcgcg cgcaggtgct   240
gaatctgatg atggatttgc agcaggagtt ggggctgtct tatgtcttta tctcccacga   300
cctgtcggtg gtggagcaca ttgctgatga agtgatggtg atgtacctgg gccgctgcgt   360
ggagaaggga acgaaagacc aaatcttcaa taacccgcgc catccgtaca ctcaggcgct   420
actttccgcg acgccgcgcc tgaacccgga cgatcgccgc gagcgcatca agctcagcgg   480
tgaactacca agcccactga atccaccgcc gggttgcgcc ttcaacgccc gctgttgtcg   540
gcgnttcggc cc   552

<210> 2698
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(425)
<223> similar to gi4062194 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2698

```
tagcgccacc cttgaacggg tactaaatca ccctgacgaa acgcaagccc gacgcttaat      60
gacgctggaa gatatcgtca gtggttattc caatgtgttg atttccctgg cagatagtca     120
gggtaaaacg gtgtatcact cccccggtgc gccggatatc cgcgagttta cgcgtgacgc     180
catacccgat aaagacgctc agggtggcga ggtgtatctc ctttccggcc cgacgatgat     240
gatgccaggc cacggtcacg ggcatatgga acacagcaac tggcggatga ttaacttgcc     300
ggttggcccg ttggtggacg gcaaaccgat ttatacgctc tacatcgcgc tttcgatcga     360
ttttcatctt cattacataa atgatttgat gaataaactt attatgaccg catcggtaat     420
catcat                                                                426
```

```
        <400> 2699
attccgtaca cgcacttcga cgtccagttt ttggagaagt ttggggtcac cttcaggagg      60
gaaggcgaga cggtcactct caagtgcacc atgctggtga cgccggacct gaagcgggtg     120
cagccgcgcg ccgagtggta ccgcgatggt gagtaggaca cggcccagac ccgggcacac     180
accaggaggc ttttggacgg aaatgtcctt taaatgtggg tgtcaatgtg gcttttgtct     240
ctaccactgg gtcagctcca gacagcgaaa caaactgagg gactgtagag gacttggtgg     300
cccaccgttc gccttgaact tcatccagga gaatcctgga gagggagacc ccg           353
```

```
        <400> 2700
gggtgctggc gtatccgggg attaaagtct cgacggcaga agccagggct attttaccgg      60
cgcagtatcg ccgccaggat tgcattgcgc acgggcgaca tctggcaggc ttcattcacg     120
cctgctattc ccgtcagcct gagcttgccg cgaagctgat gaaagatgtt atcgctgaac     180
```

```
cctaccgtga acggttactg ccaggcttcc ggcaggcgcg gcaggcggtc gcggaaatcg      240
gcgcggtagc gagcggtatc tccggctccg gcccgacctt gttcgctctg tgtgacaagc      300
cggaaaccgc ccagcgcgtt gccgactggt tgggtaaaat                            340
```

          <210> 2701
          <211> 334
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (3)...(337)
          <223> similar to gi1799796 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 2701
```
gccagcaggg cgcaaaaaaa gcctcttttg acaccattgt cgccagtggc tggcgtgggg       60
cgctgccgca cggcaaagcc agcgacaaga ttgttgcagc gggcgagttt gtcactctcg      120
atttcggtgc gctgtatcag ggctactgct ctgatatgac gcgcaccttg ctggtgaatg      180
gcgaaggggt gagcgccgaa tctcacctgc tgtttaacgt ctatcaaatt gtcctgcagg      240
cacagctcgc agcaatctcc gcgattcgcc ccggcgtgcg ctgccagcag gtttacgatg      300
ccgcgcgccg ggtcattaca caagcaggtt atgg                                  334
```

          <210> 2702
          <211> 435
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(436)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (48)...(426)
          <223> similar to gi41228 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 2702
```
actgtccgtc cgctgtacat cgtgaggact gggacattct tggtgttacc caccttactc       60
accttgcaca gcaaggctgg gcactgaact gctataccta cttcggcgaa ctgagtcgca      120
tgacgcagtt taaagataaa tctgcgcgtt atgccgagaa catcaacgct ggtctgtttg      180
```

```
actatccggt gctgatggca gcggacatcc tgctgtatca aactaannnn nnnnnnnnnn       240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn       300
nnnnnnnnnn nnnntttaag gtgccggagc cgtttattcc gaaatctggc gcgcgcgtaa       360
tgtcgctgct ggagccgacc aataagatgt ccaagtctta cgatggtcgc aatcacgtta       420
tctggcctgc tggac                                                       435
```

```
        <210> 2703
        <211> 481
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (36)...(484)
        <223> similar to gi4062217 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2703
tgacccgatt acggtttcac tgtccgtccc cttacatcgc cgggaccgag aaaaccctgg        60
tgttccccga cttatacgcc ccgctgaaca ttttacaaca gggccatgcc agtgtgctgg       120
cgcatccgca gctgcgtgag cgggcagtgg cggtttcttc atttggcaag acctatcata       180
tgaccggctg gaaagtgggt tattgtgttg cgccagcgcc catcagcgcc gaaattcgca       240
aggtacatca gtatctgacc ttttcggtga ataccccggc acagctggcg cttgctgata       300
tgctacgtgc agaacctgag cattatcttg cgttaccgga cttttatcgc cagaagcgcg       360
atattctggt gaatgcttta aatgaaagcc ggctggagat tttaccgtgt gaaggtacat       420
acttttttgct ggtggattac agcgcggttt ctaccctgga tgatcctgag tttccccagt       480
g                                                                      481
```

```
        <210> 2704
        <211> 281
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(259)
        <223> similar to gi1552831 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2704
cgggcagcag cagcgcgtgg cgctggcccg cgcgctgatc ctcaagccga aagtgctgct        60
gtttgatgag ccgttgagta acctcgacgc caacctgcgt cgcagcatgc gcgacaagat       120
ccgcgagttg caaaagcagt ttgatatcac ctcgctgtac gtcacccacg atcagagcga       180
```

```
agcctttgcg gtttctgata ctgtgctggt gatgaacaag gggcacatca tgcagatcgg      240
ctcaccgcag gatctccggg tacggagatt gaattggtaa t                          281
```

```
        <210> 2705
        <211> 427
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (4)...(428)
        <223> similar to gi1736441 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2705
aatatggctc tcacgccgct cagcgtggcg gataaatgca aagagttaat ggcgcaaaaa       60
cccggtagct ggatcttcac ctcagcaacg ctgtcggtga acgacgatct gcatcatttc      120
acctcgcggc ttggcatcga acaggccgag tcgttgctgt tgcccagccc atttgattac      180
agccgccagg cgttactctg tgtgctgcgc aatctgccgc aaaccaacca gccaggttct      240
gctcgccagt tagcggcaat gctgcgaccg atcatcgaag ctaacaacgg tcgttgtttt      300
atgctttgta cctcgcacgc catgatgcgc gatctggccg agcagttccg cgctaccatg      360
acgcttcctg tattgttgca gggggaaacc agcaaagggc aactgttgca gcaatttgtc      420
agcgccg                                                                427
```

```
        <210> 2706
        <211> 399
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(402)
        <223> similar to gi145763 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2706
tggctgaatc ccgcgtcttt aaaattgccg aaagtcgtgc gaacaaagac gaagggccga       60
agaacatcgc cgatgtgctc gacgcaaccg tggcgcgtat tgagcagttg tttcagcagc      120
cacacgatgg cgttaccggg gtaaacaccg gttatgacga tctcaacaaa aaaaccgctg      180
gcttgcagcc gtcggatttg atcatcgtcg ccgcgcgtcc gtcgatgggt aaaacaacat      240
ttgcgatgaa cctcgtcgaa aacgcggcga tgttgcagga taaaccggta cttatcttct      300
cgctggagat gccatcagaa cagatcatga tgcgttctct ggcgtcgctg tcgcgcgttg      360
accagactaa aatccgtacc gggcagctcg atgacgaaa                             399
```

<210> 2707
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(364)
<223> similar to gil742778 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2707
```
gtgccggatg taaaaacatg cccggcgggc gtctttatgc ccacacactt gaagcaatca    60
ttccaggctt tgcagtatca gcgccggtag aacgcaaggt cacacgcgag aaaatctcct   120
tcttaaccga agaaagcgcc gttaccctcg attttcaccg cgagcagcca gatgttccgc   180
aacacgcatc ttataccgta ttgcgtaatc gtctggaccc gtggttgatg gaacaagccg   240
agcaggcggg cgcgcagttt atcccaggcg ttcgcgtcga cgcgctggtt cgtgaaggaa   300
acaaggtcac tggcgtgcag gctggggatg atattctcca agcgaatgtg gtgattctgg   360
ttgtgcc                                                            367
```

<210> 2708
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(425)
<223> similar to gil45300 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2708
```
atctctggaa gactacgttt cccgcatgaa agaagggcag gagaaaatct actacatcac    60
cgcagacagc tatgcggcag cgaagagcag cccgcacctg gaactgctgc gtaagaaagg   120
catcgaagtt ctgctgcttt ccgaccgcat cgatgagtgg atgatgaact atctgactga   180
gttcgacggt aaaccgttcc agtcggtgtc taaagttgac gagtcgcttg aaaaactggc   240
tgacgaagtt gatgagagcg cgaaagaagc ggagaaagca ctgactccgt tcatcgaccg   300
tgtgaaagcc ctgctcggcg agcgcgtgaa agatgtccgt ctgactcacc gtctgaccga   360
tacgccagcg atcgtttcga ccgacgcgga cgaaatgagc actcagacgg cgaaactgtt   420
cgt                                                                423
```

```
<210> 2709
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(450)
<223> similar to gi396415 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 2709
gtcatcgacc atgactacgg attctatgcg ccgacccgga caacggcgag acatgcacta      60
ccctggccat gcccaattta atcacgtgga atcccagcgg gcgttgttct atccgagctt     120
tgatatcaaa gcgttttttcg gtctggactc catccatctg cataccttat tcaaaaaaac     180
cagtcgccag ttcaacttca tcccgggtct gaaattgccg ctgtttgacg gtggacggtt     240
gaatgccaat ctcgaaggca cgcgcgccgc cagcaacatg atgattgaac gttacaacca     300
gtcagtactg aacgcggtgc gtgacgttgc cgtcaacggc acgcgtctgc aaacgctcaa     360
cgacgagcga gaaatgcagg ctgaacgcgt ggaagccacg cgctttaccc agcgcgctgc     420
cgagcccgcc tatcagcgcg gcctaaccag g                                    451




<210> 2710
<211> 493
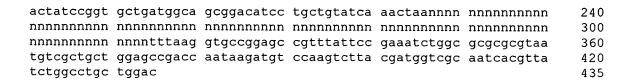<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(496)
<223> similar to gi2367256 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 2710
atagtttttac tgccctggag cgcaatggcc agacggtagt tacctggaac cgggacggcg      60
gcacaagtac tgaacaggcg tataaaaata tcccgttcta catgactaac cgtggttatg     120
gggtactggt caatcatccc cagtgtgtct cttttgaagt gggatcggag aaagtctcca     180
aagtgcagtt cagcgttgag agtgaatatc tcgaatactt tgttatcgac ggcccgacgc     240
cgaaagcggt acttgatcgt tatacccgct ttactggtcg tccggcgctg ccgcccgcgt     300
ggtccttcgg cctgtggcta accacttcat ttaccaccaa ctacgacgaa gcgacggtaa     360
acagctttat cgatggtatg gcggaacgca atctgccgct gcatgttttc cactttgact     420
gtttctggat gaaagccttc cagtggtgcg attttgagtg ggacccgctg actttccctg     480
acccggaagg gat                                                        493
```

1588

<210> 2711
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(426)
<223> similar to gil47485 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2711
```
tacaattcaa tttcggtacc cgtacaaccc ggcgagcgtg attggcctga cagtccccaa      60
cttaatcatt gtgctgctga ttgaacggat gctcgacgac aaacgcattc ttgcgcatat     120
tcgcgcctcg aaagcgccaa aacctggcgc agaactgctg ctgggcgatg acgaaagtat     180
taacgcaaca atgaccgcgc gccacggcgc actgtttgaa gtcgaattta atgatgaacg     240
ctcggtgctg gatattctca acagcatcgg ccatatgccg ctgccgccgt atatcgaccg     300
tccggacgaa gacgctgacc gcgaacttta tcaaaccgtt tatagcgaaa aaccgggcgc     360
ggttgcagcc ccgaccgcag gtctgcattt tgacgagcct ttgctggaaa aattgcgcgc     420
caaa                                                                  424
```

<210> 2712
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(158)
<223> similar to gil789672 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2712
```
tggcggtgca ttacctagag cgggtgagaa ttgccgaaca tgcgcataag tttcccggac      60
agatttcagg tggtcagcag caacgcgttg ccattgcgcg ttcgctgtgt atgaagccga     120
aaattatgtt gtttgatgag ccaacgtcgg cgctc                                155
```

<210> 2713
<211> 325
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(328)
<223> similar to gi290559 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2713
cgaattcgat ctccgtaccc ggagatctca atgtgtggct ttgcctggga ctgctgatgc   60
ttgatcgcat tgcaaccaaa gcggcgaagc ggataaacgt gacaccttcg gcggtgagta   120
agtcgctggc aaagttaaga gcgtggtttg acgacccgct ctttgtgaac tcaccgctgg   180
gtctgtcgcc cacaccgctg atggtcagca tggagcaaaa tctggcggag tggatgcaaa   240
tgagcaacct gctgctggat aaaccgcacc accagacacc gcgcggcctg aagtttgagc   300
tggcggcgga atcaccgctg atgat   325

<210> 2714
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(212)
<223> similar to gi2337774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2714
gactgactat cgcaccgaat ttactgaagg agctgcagga aaaagtttcg ccagtggtac   60
gtaaattaat cccaccttct cagacgttcc cacgcccagc tcccatgagc gaagcggagt   120
tccgttggga gcacaatcag gatgcgatgg cggtagaaaa actgtctgaa ggcattcgtc   180
tgttcgccgt tgatcaacgc aaactggaa   209

<210> 2715
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> similar to gi535006 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
          <400> 2715
gacaaagaag aatatccgca atccgcagcc atcgacctgc gttgcgtaaa tatggttgcc      60
gatctgtggc atgcgcctgc gccgaaaaat ggtcaggccg ttggcaccaa caccattggt     120
tcttccgagg cctgtatgct cggcgggatg gcgatgaaat ggcgttggcg caagcgtatg     180
gaagctgcag gcaaaccaac ggataaacca aacctggtgt gcggtccggt acaaatctgc     240
tggcataaat tcgcccgcta ctgggatgtg gagctgcgtg agatccctat gcgccccggt     300
cagttgttta tggacccgaa acgcatgatt gaagcctgtg acgaaaacac catcggcgtg     360
gtgccgactt tcggcgtgac ctacaccggt aactatgagt tcccacaacc ggtgctcgat     420
gcgctggata aattccaggc cgacaccggt atcgacatcg acatgcacat cgacgctgcc     480
accggtggct tcctggc                                                    497
```


          <210> 2716
          <211> 217
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(218)
          <223> similar to gi4062409 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


```
          <400> 2716
gctccctatg acgccgaaaa ttattttgat tatgacaatc tgaataacgg accttctttg      60
cagcactggt ttggcgtcga ttcactgggg cgtgacattt tcagccgtgt cctggttggt     120
gcgcaaatct cgctggcggc gggcgtgttt gccgtgttta tcggtgcggc gatcgggacg     180
ttgctgggct tgctcgctgg atattatgaa ggctggt                              217
```


          <210> 2717
          <211> 431
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (3)...(434)
          <223> similar to gi2443392 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

```
      <400> 2717
cttgtcgttc tggcaaaact aacctctgtg ttgcggttcg cgaaacccag ggtaaaggcc        60
tgatgccaga cggcaccacc cgtttttctt acaacgggca gccgctttat cactacatgg       120
ggtgctctac attcagtgaa tacaccgtag tcgcggaagt gtctctggca aaaattaatc       180
cagaagcaaa ccatgaacac gtctgcctgc tgggctgtgg cgtgaccacc ggtattggcg       240
cggtacacaa cacagctaaa gtccagccag gtgattctgt tgccgtgttt ggtcttggcg       300
cgattggtct ggcagtggtt cagggcgcgc gtcaggcgaa agcgggtcgg attatcgcta       360
tcgataccaa cccgaagaaa ttcgatctgg cgcgtcgctt cggtgctacc gactgcatta       420
acccgaatga g                                                            431




      <210> 2718
      <211> 315
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (2)...(317)
      <223> similar to gi4062680 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




      <400> 2718
gtacgacggc atcatggcaa ctgactcaac acaatgtgta aaaaaaagcc gtggccgccc        60
aaaagtgttc gacagggatg ccgcgcttga taaggccatg aaattgttct ggcaacacgg       120
ttatgaagcg acttctcttg cggacctcgt cgaagcgacc ggagccaaag cgcccacgct       180
atacgcggaa tttaccaaca aagaggggtt atttcgtgcc gttctcgacc gctatatcta       240
tcgtttttgcc gctaagcatg aagcacagct gttttgtaaa gagaaaaacg tggagtttgc       300
gctggctgac tattt                                                        315




      <210> 2719
      <211> 568
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (3)...(571)
      <223> similar to gi2995439 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




      <400> 2719
aggtattctg tctgatcgct gaccttgacc cgatcgatga gcttgtggac ttcccgatcg        60
tttacgcttc tgcgctgaac ggtatcgcgg tctggacca cgaagatatg gcggaagaca       120
```

```
tgaccccgct gtaccaggcg attgttgacc acgttcctgc gccggacgtt gaccttgacg      180
gtccgttcca gatgcagatt tctcagctcg attacaacag ctatgttggc gttatcggca      240
ttggccgcat caagcgcggt aaagtgaagc cgaaccagca ggtcactatc atcgatagcg      300
aaggcaaaac ccgcaacgcg aaagtcggta aagtgctggg ccacctcggt ctggaacgta      360
tcgaaaccga tctggcggaa gctggcgata tcgttgcgat cacgggcctt ggcgaactga      420
acatttctga caccgtttgc gacacgcaaa acgttgaagc gctgccggca ctctccgttg      480
atgagccgac cgtttctatg ttcttctgcg ttaacacctc gccgttctgc ggtaaagaag      540
gtaagttcgt aacgtctcgt cagatcct                                         568
```

```
<210> 2720
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi42996 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2720
agaaaaaggt ttcactcgcc cgccggccat tcaggatcca gccattacgc atgcgctcga       60
tggccgtgat gtactcggtt ttgcgccaca aggcaccggt aaaacggcgg cgtatctgct      120
gccagcgttg cagcacctgc tcgatttccc gcgtaagaaa tccggtccgc cgcgtatttt  ·   180
gatcctcacc ccaactcgcg agctggcgat gcaggtgtcc gatcatgccc gcgaactggc      240
gaaacatacg catctggata tcgccaccat caccggcggc gtagcctata tgaaccacgc      300
ggaagtgttc agcgaaaatc aggacatcgt ggtcgccacg accggacgtc tgctgcaata      360
cataaaagaa gagaacttcg attgccgcgc ggttgaaacg ct                        402
```

```
<210> 2721
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(451)
<223> similar to gi216463 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2721
gccgcaattt gcacgcgctg gcgttaaata ttttcaaaga tgaaggccgc gaagcgtttc       60
tgaaattaat ggaaaccacc gatatcttca tcgaagccag taaaggtccg gcctttgccc      120
```

```
gtcgtggcat taccgatgaa gtactgtggc agcacaaccc gaaactggtt atcgctcacc     180
tgtccggttt tggtcagtac ggcaccgagg agtacaccaa tcttccggcc tataacacta     240
tcgcccaggc ctttagtggt tacctgattc agaacggtga tgttgaccag ccaatgcctg     300
ccttcccgta taccgccgat tacttttctg gcctgaccgc caccacggcg gcgctggcag     360
cactgcataa agtgcgtgaa accggtaaag gcgaaagtat cgacatcgcc atgtatgaag     420
tgatgctgcg tatgggccag tacttcat                                        448
```

```
        <400> 2722
aacaactacg ctaaacaaat tgccagcctg aacgatcaaa tctcgcgcct gacaggcgtg      60
ggggcagggg cgtcacctaa caatctgctg gatcaacgcg atcaactggt gagcgaatta     120
aaccagattg ttggtgtaga agtcagcgtt caggatggcg gcacttataa catcacgatg     180
gccaatggtt actcactggt tcaggaagt acggcgcggc aactggcggc agttccttcc      240
agcgctgacc cttctcgtac gactgtcgct tatgttgatg ggacggcagg caatattga     299
```

```
        <400> 2723
gggggtacgc tttccggtaa cccgattgcg atggcagcgg gtttcgcctg tctgaatgaa      60
gtcgcgcagc cgggcgttca cgaaacgctg gatgagctga caacacgtct ggcagaaggt     120
ctgctggaag cggcagaaga agccggaatt ccgctggtcg ttaaccacgt tggcggcatg     180
ttcggtattt tctttaccga cgccgagtcc gtgacgtgct atcaggatgt gatggcctgt     240
gacgtggaac gctttaagcg tttcttccat atgatgctgg acgaaggtgt ttacctggca     300
ccgtcagcgt ttgaagcggg ctttatgtcc gtggcgcaca gcatg                     345
```

```
<210> 2724
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(367)
<223> similar to gi145856 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2724
caaggcaccc gcgctgaatc tcaaggttcc tccaaagata aaacccgtct tgccttcgct      60
ggcctgaaat tcggtgacta cggctccatc gattacggcc gtaactacgg tgtagcatac     120
gacatcggtg cgtggactga cgtcctgcca gaattcggtg gtgacacttg gactcaaacc     180
gacgtgttca tgactcaacg tgcaactggt gttgcaacct atcgtaacaa cgacttcttt     240
ggtctggttg atggtctgaa ctttgctgct cagtaccaag gcaaaaacga tcgtagcgat     300
ttcgataact acactgaagg taacggccac ggcttcggtt tctctgctac ctatgaatac     360
gaaggg                                                                366


<210> 2725
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(202)
<223> similar to gi1789473 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2725
gcgataccta ttccgtttct attccgctgg gagccaccat caatatggcg ggcgcagcaa      60
tcactattac cgtgttgacg ctggctgcgg ttaatacgct gggtattccg gtcgatctgc     120
ccacggcgct gctgttgagc gtggtggctt ctctgtgtgc ctgtggcgca tccggcgtgg     180
cgggggggtc tctgctgct                                                  199



<210> 2726
```

<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(556)
<223> similar to gi288533 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2726
cgccatgatg gcggacctga cggaagaaca gaaagcgcac ggcgtgatca ctgcttctgc   60
gggtaaccac gcgcagggcg tcgcgttttc ttctgcgcgg ttaggcgtga aggccctgat   120
cgttatgcca accgccaccg ccgacatcaa agtcgacgcg gtgcgcggct tcggcggcga   180
agtgctgctc cacggcgcga actttgatga agcgaaagcc aaagcgatcg aactgtcaca   240
gcagcagggg ttcacctggg tgccgccgtt cgaccatccg atggtgattg ccgggcaagg   300
cacgctggcg ctggaactgc tccagcagga cgcccatctc gaccgcgtat ttgtgccagt   360
cggcggcggc ggtctggctg ctggcgtggc ggtgctgatc aaacaactga tgccgcaaat   420
caaagtgatc gccgtagaag cggaagactc cgcctgcctg aaagcagcgc tggatgcggg   480
tcatccggtt gatctgccgc gcgtagggct atttgctgaa ggcgtagcgg taaaccgcat   540
cggtgacgaa actt   554

<210> 2727
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(412)
<223> similar to gi1736642 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2727
ataagattga taaggaccgt tatctctccg gcaatcctat cgaggtgacg gtagaactga   60
gagatgaaaa tgacaaacct gttaaggaac aaaaacagca actgaataac gcagtcagca   120
tcgacaacgt gaaaccagga gtcactacag actggaaaga aaccgcagat ggcgtctata   180
aggcgaccta taccgcctat accaaaggca gtggacttac tgcgaagcta ttaatgcaaa   240
actggaatga agatttgcat accgctggat ttatcatcga cgccaacccg cagtcagcga   300
aaattgcgac attatctgcc agcaataatg gtgtgctcgc caatgagaat gctgcaccgc   360
aagtctcgta cgatgggtat catcagggta ttcccactct cgacgatgta cgggtacgga   420
cattgaatcc gtaagcagg   439

```
<210> 2728
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(141)
<223> similar to gi1805561 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2728
gccaacgcgc agcaagggct gcccagtggt atcaccctga agctaaataa ccttgtcgat      60
aaaggcctgg ttgatcgtct gtatgcggcc tccagctcgg gcgttccggt taatctgctg     120
gttcgcggaa cgtgttcgct                                                  140




<210> 2729
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(428)
<223> similar to gi43248 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2729
cgcgcgaatg acgctcatcc ccggcacaca tctgctggaa aacatccaca acatctgggt      60
gaacgggggta ggcacgaata gcgcgccgtt ctggcggatg ttgcttaaca gctttgtgat    120
ggcgttcagc attacgctcg gcaaaattac cgtctcgatg ctctcggcat ttgccattgt     180
ctggtttcgt tttccgctac gtaacctctt cttctggatg atttttatca ccctgatgct     240
gccggttgaa gtacgtatct tcccgacggt ggaagtcatc gccaacctgc agatgctcga     300
cagctacgcc ggtttaacgc tgccgctgat ggcctcggcg accgctactt tcctgttccg     360
caagttaaat atgtcggggc cggacaaggt ggtgccagcc gcgcggatct ccgggtacgg     420
acctagagtt cgtaagcaag a                                               441




<210> 2730
<211> 654
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> (2)...(656)
<223> similar to gi1788900 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2730
ggactactgg gctggagtgg acatttctcg ctataaaaat gtgcctgttc caacctcata   60
tatggccgaa aaatcgcagt acgattttgt cggcgcgtgg tgtcacgatg aagatggcgg   120
tttgctgcac gttgccaacc accatattgc gccaggtaaa aaacagtgga gttggggaca   180
cagtgaattt ggccaggcgt gggataagag tctgaccgac aataacggcc cgtatatcga   240
actgatgacc ggtatttttg ccgataacca gcccgatttt acctggcttg atgcttacga   300
agagaagcgt tttgagcagt atttcctgcc ttatcattct ttgggcatgg tgcaaaatgc   360
ctcccgcgat gcggtgataa aactccagcg tagtaagcgg gggattgagt ggggggctgta   420
tgccatctct ccgttgaacg gataccgcct ggcgatccgc gaaatcggta aatgcaacgc   480
gttacttgat gatgccgtgg cactgatgcc tgcgaccgcc atccagggcg tgttgcacgg   540
tatcaattct gaaaggctga ccattgagct ctccgatgcc gacggcaata ttgtactgag   600
ttatcaggaa catcagccgc aagcgttgcc gttaccggac gtcgccaaag cgcg   654

<210> 2731
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(245)
<223> similar to gi1778474 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2731
atcggggtaa aacggtttat gacgtagcgt caggggacgc gttatttatt tctgaactcg   60
gtccgttacc ggaaaatgtt acctggttat cgccggaagg ggagtttcag aagtggaacg   120
gtacagcctg ggtgaaagat gcagaagcag aaaaactgtt ccggattcgg gaggcggaag   180
aaacaaaaaa cagcctgatg caggtatcca gtgagcatct tgcgcctctt cagaatcctg   240
ta   242

<210> 2732
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 2732
ttggtagacc atgacacgga ttctatgtcg cgacccggac atcgtattga ttgccatatc   60
gatgaggttt ttatccgtca ccagattgaa cttgagcgtc taacttcgat tgccataacc   120
ttgccgggaa ttattgatac ggaaaatggt attgtacatc gcatgccgtt ctacgaggat   180
gtaaaagaga tgccgctcgg cgaggcgctg gagcagcata ccggcgttcc ggtttatatt   240
cagcatgata tcagcgcatg gacgatggca gaggccttgt ttggtgcctc acgcggggcg   300
cgcgatgtga ttcaggtggt tatcgatcac aacgtggggg cgggcgtcat taccgatggt   360
catctgctac acgcaggcag cagtagtctc gtggaaatag gccacacaca ggtcgacccg   420
tatgggaaac gctgttattg cgggaatcac ggctgcctcg aaaccatcgc cagcgtggac   480
agtattcttg agctggcaca gctgcgtctt aatcaatcca tgagctcgat gtt   533

<210> 2733
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(443)

<400> 2733
ctattccgct tctgctgatt ccattcctat tctgtgcatt accggccagg caccgcgcgc   60
ccgtctgcat aaagaagatt ttcaggccgt agatattgaa gcaattgcta aaccggtcag   120
caaaatggcg gttacagttc gtgaagcggc gctggtgcct cgcgtgctgc aacaggcatt   180
tcacctgatg cgttctggtc gtccgggtcc ggtactggtg gatttaccgt tcgacgttca   240
ggttgcggaa atcgagtttg atcctgacat gtacgaaccg ctgccggtct acaaacctgc   300
tgccagccgt atgcagatcg aaaaagctgt agaaatgtta atccaggccg aacgtccggt   360
gattgttgcc gggggcgggg taattaatgt tggcgcaaag gcgctgaaac agcagtttgc   420
tagggtgtcc accgtcccgg c   441

<210> 2734
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (394)...(5)
<223> similar to gi147423 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2734
taggctgttg actttttctt cataagtacg gaagtagccg ttcagtgccg gacgaccaaa   60
ttcgttgtta aacgccgcgc cgcccagcgg gccttcggtc atgatgtcca gcgcggtgac   120
aatgcgctca ggcttaccga aatcttcttc ccacggctgt tcgaagccag gaattcgcag   180
gttggaaacg gagaaaccaa ccagacccgc tttcggcttt gcgccgcgcc cggtggcacc   240
ttcatcgcgg atttcaccgc cggaaccggt cgccgcgccc ggccacggag aaatcgccgt   300
cgggtggttg tgagtttcga ctttcatcag aatatgcgcc ggttcctgat ggaaatcgta   360
gcggcccgtt tcgtggtcac caaagtancg gccc   394

<210> 2735
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(280)
<223> similar to gi1155360 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2735
cttccatttg ttctcattct ccttccccag ctggggctga tgaacctgtc gcacgcatag   60
cctcggctca gggctgatgt ttggtgctgt tcccacagtc acctctgtcc tgtgcacacc   120
tgtatggagg gtgcttggcc cttcactgtg caacagagcg cccagccaca gaacacccag   180
ccacagaaca catggccaca gaacacgcag ccacagaaca cccagccaca gaacacatgg   240
ccacagagca cgcagccaca gaacatccag ccacggggct atgcctcaaa ctgaggcagt   300
gtcttgacag acagctggaa gacacggccc tgg   333

<210> 2736
<211> 810
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> (77)...(812)
<223> similar to gi1789150 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2736
attcagatgt ccgtcctgta catcggctgg actgggatga gcctggcgtg gcgcaactta    60
attttgcttg actgtgcaac aacgtatcga agtcgaaatg ctcggttatc tgttcttcgt   120
cggtaatcgc aaagccacgc cgctgccgta tcaaagccag ccggatgact catgcgactg   180
gtatcgcctg cgtcatgaag aagcgatgac gccggatgcg gtggtgcgcc tggcggaagc   240
ggcatatgaa aaatatggct tcaacgattt caaactgaag ggcggtgtac tggccgggga   300
agaagaggcc gagtctattg tggcactggc gcaacgcttc ccgcaggcgc gtattacgct   360
cgatcctacc ggtgcatggt cgctgatcga agcgattaaa atcggtaaat acctgaaagg   420
ttcgctggct tatgcagaag atccgtgtgg tgcgcagcaa ggtttctccg ggcgtgaagt   480
aatggcagag ttccgtcgcg cgacaggttt accgactgca accaatatga tcgccaccga   540
ctggcggcaa atgggccata cgctctccct gcaatccgtt gatatcccgc tggcggatcc   600
gcatttctgg acaatgcaag gttcggtacg tgtggcgcaa atgtgccatg aatttggcct   660
gacctggggt tcacactcta acaaccactt cgatatttcc ctggcgatgt ttacccatgt   720
tgccgccgct gcaccgggta aaattactgc tattgatacg cactggattt ggcaggaagg   780
caatcagcgc ctgaccaaag aaccgtttga                                    810
```

```
<210> 2737
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(624)
<223> similar to gi1651245 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2737
tggagatgtt tgtttctacg cgccgtgacg gtcgctcgct gggtgagctg gtcaaagaag    60
agatggggcc aaccgccggg gtgattgcgc tggtggcctg ctttatgatc atggtcatta   120
tccttgcagt gctggcgatg atcgtggtga aagccctgac tcatagcccg tggggaacat   180
ataccgttgc gttcaccatt ccgctggcgc tgtttatggg gatctacctg cgctatctgc   240
gtccggggcg tattggcgaa gtgtcggtca tcggtctggt attcctgatt ttcgccatta   300
tctctggcgg ctgggtggca gaaagtccga cctgggcacc gtactttgac tttaccggcg   360
tgcagttgac ctggatgctg gtgggttacg gttttgtggc ggcggtgctg ccggtgtggt   420
tactgctggc cccgcgtgac tacctctcta ccttcctgaa aatcgggact atcgtcggtc   480
tggcggtagg cattttgatt atgcgcccga cgctgaccat gcctgcgctg accaaatttg   540
tcgatggcac tggcccggta tggaccggga acctgtttcc gttcctgttt atcaccatcg   600
cctgtggcgc ggcgtctggt a                                             621
```

```
<221> misc_feature
<222> (77)...(812)
<223> similar to gi1789150 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2736
attcagatgt ccgtcctgta catcggctgg actgggatga gcctggcgtg gcgcaactta    60
attttgcttg actgtgcaac aacgtatcga agtcgaaatg ctcggttatc tgttcttcgt   120
cggtaatcgc aaagccacgc cgctgccgta tcaaagccag ccggatgact catgcgactg   180
gtatcgcctg cgtcatgaag aagcgatgac gccggatgcg gtggtgcgcc tggcggaagc   240
ggcatatgaa aaatatggct tcaacgattt caaactgaag ggcggtgtac tggccgggga   300
agaagaggcc gagtctattg tggcactggc gcaacgcttc ccgcaggcgc gtattacgct   360
cgatcctacc ggtgcatggt cgctgatcga agcgattaaa atcggtaaat acctgaaagg   420
ttcgctggct tatgcagaag atccgtgtgg tgcgcagcaa ggtttctccg ggcgtgaagt   480
aatggcagag ttccgtcgcg cgacaggttt accgactgca accaatatga tcgccaccga   540
ctggcggcaa atgggccata cgctctccct gcaatccgtt gatatcccgc tggcggatcc   600
gcatttctgg acaatgcaag gttcggtacg tgtggcgcaa atgtgccatg aatttggcct   660
gacctggggt tcacactcta acaaccactt cgatatttcc ctggcgatgt ttacccatgt   720
tgccgccgct gcaccgggta aaattactgc tattgatacg cactggattt ggcaggaagg   780
caatcagcgc ctgaccaaag aaccgtttga                                    810
```

```
<210> 2737
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(624)
<223> similar to gi1651245 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2737
tggagatgtt tgtttctacg cgccgtgacg gtcgctcgct gggtgagctg gtcaaagaag    60
agatggggcc aaccgccggg gtgattgcgc tggtggcctg ctttatgatc atggtcatta   120
tccttgcagt gctggcgatg atcgtggtga aagccctgac tcatagcccg tggggaacat   180
ataccgttgc gttcaccatt ccgctggcgc tgtttatggg gatctacctg cgctatctgc   240
gtccggggcg tattggcgaa gtgtcggtca tcggtctggt attcctgatt ttcgccatta   300
tctctggcgg ctgggtggca gaaagtccga cctgggcacc gtactttgac tttaccggcg   360
tgcagttgac ctggatgctg gtgggttacg gttttgtggc ggcggtgctg ccggtgtggt   420
tactgctggc cccgcgtgac tacctctcta ccttcctgaa aatcgggact atcgtcggtc   480
tggcggtagg cattttgatt atgcgcccga cgctgaccat gcctgcgctg accaaatttg   540
tcgatggcac tggcccggta tggaccggga acctgtttcc gttcctgttt atcaccatcg   600
cctgtggcgc ggcgtctggt a                                             621
```

```
<210> 2738
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(496)
<223> similar to gi1736453 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2738
catgctacga attctagcgt ccgacccgga gatcgtgacg cctggcggtg aaataagctg      60
ggttgacgct aatctcgggg tcgatgaaat ccgcgagcaa ctgctctctt caccgcacag     120
tctgttcccg gtatgtcgcg gtgaactgga tgaaatcatc ggtattgtac gtgctaaaga     180
actgctggtg gcgctggaag agggcgttga tgtggcggcg attgcttcgg cgtctccggc     240
gattatcgtc ccggaaaccc tcgatccgat caacctgttg ggcgtgctgc gtcgtgctcg     300
cgggagcttt gttatcgtga ccaacgagtt tggtgtggta caaggtctgg tcacgccgct     360
ggatgtgctg gaagccattg cgggtgaatt tccggacgct gacgaaacgc cggaaatcat     420
tactgatggt gacggctggc tggtaaaagg cggtgcagat gtgcgtgcct ttcagcaggc     480
gcttgaggct gaccccccc ttgagctggg atgatgacct gacgtttgcg gtcatcggtg     540
atgtacgggt acgcgagctt gaattcgtaa tc                                   572




<210> 2739
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(440)
<223> similar to gi216512 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 2739
cactctgatt acgaattctt gctctcgacc ctgagatccg ccaggatgaa gaagacttcg      60
aaaccttcca gggcgaaggc ctcttctcga tggacgaaaa atctcgccag gtgaacctga     120
ccgaacgtgg tctggtgctg attgaagaac tgctggtgaa agagggcatc atggatgaag     180
gggagtctct gtactctccg gccaacatca tgctgatgca ccacgtaacg gcggcgctgc     240
gcgctcatgc gctgtttacc cgtgacgtcg actacatcgt taaagatggt gaagttatca     300
tcgttgacga acacaccggt cgtaccatgc agggccgtcg ctggtccgat ggtctgcacc     360
aggctgtgga agcgaaagaa ggtgtgcaga tccagaacga aaaccaaacg ctggcttcga     420
tcaccttcca gaactac                                                   437
```

<210> 2740
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(390)
<223> similar to gi1800007 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2740
ctcgcctgga aagggttaat taccgatccc catatggatg gttcttttga tgtagaagcc   60
gggctgcaga tcgcgcgtaa attgctgctt gagctggtga atatgggact gccactggcg   120
acggaagcgt tagatccgaa tagcccgcaa tacctgggcg atctgtttag ctggtcagca   180
attggtgctc gtacaacgga atcgcaaact caccgtgaaa tggcctccgg gctttccatg   240
ccggttggtt ttaaaaacgg caccgacggc agtctggcaa cagcaattaa cgctatgcgc   300
gccgccgccc agccgcaccg ttttgttggc attaaccagg cagggcaggt tgcgttgcta   360
caaactcagg ggaatccgga cggccatgt   389

<210> 2741
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(340)
<223> similar to gi1736423 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2741
aggctgccgc tgagcgctgg ggcttcgcct tgagttttga gcaaatggag tgggcgagct   60
gcgagtatta cagccatcac ggtaaaatga tgccggacga ctggcatgag caacttagcc   120
gtttcgacgc catctatttt ggtgccgtcg gctggccgga taccgttccg gaccatattt   180
cgttgtgggg ttcgctgctg aaatttcgtc gtgaattcga ccagtacgtc aacctgcgcc   240
cggttcgtct ctttcctggc gttccctgcc cgctggcggg aaaacagcct ggcgacatcg   300
atttttacgt ggtcagggaa aacaccgaag gcgaatt   337

<210> 2742

<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(457)
<223> similar to gi216440 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2742
```
gtccgtatct gatatcgacg acgttatcct cgttggtggt cagactcgta tgccaatggt      60
tcaaaagaaa gttgctgagt tctttggtaa agagccgcgt aaagacgtta acccggacga     120
agctgtagca atcggtgctg ctgttcaggg tggtgttctg actggtgacg taaaagacgt     180
actgctgctg gacgttaccc cgctgtctct gggtatcgaa accatgggcg gtgtgatgac     240
gacgctgatc gcgaaaaaca ccactatccc gaccaagcac agccaggtgt tctctaccgc     300
tgaagacaac cagtctgcgg taaccatcca tgtgctgcag ggtgaacgta aacgtgcggc     360
tgataacaaa tctctgggtc agttcaacct agatggtatc aacccggcac cgcgcggcat     420
gccgcagatc gaagttacct tcgatatcga tgctg                               455
```

<210> 2743
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (16)...(396)
<223> similar to gi536970 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2743
```
gtccgacccg gacatctgct ggatattgac gataccgaca tgcccagtct tcgttactcg      60
gatcctgaag cccagcgtat tggtcagcca tttaaaggtg atgacatcct taaagcgctg     120
aatggcgaag aaaatgtcgc tatcaatcgc ggttttctgg cgcaggcttt acgcgtattt     180
accccccatct acgatgaaaa tcataaacaa attggcgtgg tggcgatcgg ccttgagtta     240
agccgtgtga cccaacagat caatgacagt cgctggagca ttatctggtc ggtattattt     300
ggcatgctgg tcggactgat tggcacctgc attctggtta aggtactgaa aaaaatcctt     360
ttcggcctgg aaccctacga aatctccncg ctgttt                               396
```

1604

```
<210> 2744
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi396299 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2744
ctgtgcgaaa tgtttgcgtg atgcggatga atgcccctcc ggggcgtttg aacggattgg      60
tcgcgatatc agccttgacg ctctggaacg ggaagtgatg aaagatgaca ttttctttcg     120
cacgtccggc ggcggcgtca cgctttctgg cggcgaagtg ttaatgcagg cggagtttgc     180
tacccgtttt ttacagcgac tgcggctgtg gggtgtgtca tgcgccattg aaactgccgg     240
agacgcacca gccagcaagc tattaccgct ggcgaaattg tgcgatgaag tgttgttcga     300
tttaaaaatt atggacgcga ctcaggcgcg ggatgtggtg aagatgaacc tgccacgcgt     360
gctggagaat ctgcgtttgc tggtgagtga gggcgtcaac gt                        402




<210> 2745
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(605)
<223> similar to gi4062504 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2745
ttcccgggtc gacgatttcg tccggaatca aaaatctcct gggtggagtt ccccgcgggt      60
ccgcaaatgt tggaagcgtt aaacgttggc agtattgatc tcggcagtac cggggatatt     120
ccgccaatct ttgcccaggc tgccggggct gatttggtgt acgtgggcgt cgagccaccg     180
aagcccaaag ccgaagtgat tctggtggca gaaaacagcc cgatcaaaac cgtagccgat     240
cttaaaggtc acaaagttgc ctttcagaaa ggttccagtt cacacaacct tttactgcgt     300
gcactgcgtc aggccggact taagtttacc gatatccaac ccacttacct gacgcccgct     360
gatgcccgcg ccgcgttcca gcaaggtaac gttgacgcct gggctatctg ggatccctac     420
tactctgctg cattattaca gggcggcgtg cgggtgctga aagacggcac cgatctcaat     480
caaactggat cgttttatct ggcagctcgt ccctatgcag aaaaaaacgg cgcttttatt     540
cagggcgtac tggcaacctt tagtgaggcc gatgcgttaa cccgcagcca gcgcgagcaa     600
agcaacgaaa tcgtcgaccc gggaa                                          625
```

```
<210> 2746
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(454)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (264)...(456)
<223> similar to gi581146 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2746
ccaccagaga gcagtgaact gagtatccag ccagctgcac gaaagagcag cagagtcaaa      60
ggaagtggca ggaaaaaaat aatgggcaag gcaaaaatga tgaaataaaa atccaggaag     120
caacataaag tattaacaaa accaaaggtt ggttctttaa aaatagtaca aaaatagaca     180
agcctctggt tatattaaga tgccacagag aaatagggga nnnnnnnnnn nnnnnnnnnn     240
nnnnnnnnnn nnnnnnnnna aagttgttcg tgctggtggg aacgctttat ccgatgattt     300
acggcctgct gggctgggga cgcctctccg ttggcgcgcc gtattttaac cgcgcgacgt     360
taccgtttgg tctgttgatg ctggtggtga ttgtgctggc gacgtttgtc tctggcaaac     420
gcgtgcagct tccggcgctg gtagctcatg cgg                                 453



<210> 2747
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(128)
<223> similar to gi2454510 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2747
aaccgcatcc cggccaacct ggtggaccag ttcgagaagc agctgccgct gcaccgggac      60
ggcttccaca cgctgcagta ccagaggacg tccgcggccg ccgagcagcg cagcgagagc     120
cccgggc                                                             127
```

```
<210> 2748
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(336)
<223> similar to gi40908 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2748
gggtggcgcc cggatgacga aacacccacc ctgctggtgg tgcacaatat taacctgccg      60
ccaggcgagt ttggcggtcc gtggatcgac gcattattca ctggaactat tgatccgcag     120
gcacatcctt tctttgctga gatcgcccat ttgcgcgtct ccgctcactg tttgattcgc     180
cgtgatggtg aaatagtcca gtatgttcct ttcgataaac gtgcatggca tgcgggagtc     240
tctcagtatc aggggcgcga acgctgcaat gatttttcta ttgggattga gcttgaaggc     300
accgatccgc tggcgtatac cgatgcgcag tattg                                335
```

```
<210> 2749
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(347)
<223> similar to gi1742648 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2749
tacctgttat tgtttgtctg cttccttgtg atgtctctgc tggttgggct ggtgtacaaa      60
tttaccgccg aacgcgcggg caaacagtcg ctggatgatt tgatgaacag ttcgctgtat     120
ctgatgcgca gcgaattgcg tgagatcccc ccacacgact ggggtaaaac tctgaaagag     180
atggatttaa atctctcttt cgatctgcgt gtcgagccac tgagtaaata ccatcttgat     240
gatatttcca tgcaccgact gcgtggcggc gaaattgtcg ccctggacga tcagtacacg     300
tttttgcagc gtatcccgcg cagccactac gtgctggcag ttggtc                    346
```

```
<210> 2750
<211> 372
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(374)
<223> similar to gi1778530 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2750
agcgctggcg attcagggct ggctaccccg tttcattgaa tttggtgcct gtagtgcgga   60
aatggcacca gaagcggtac tccacggatt acgcccaatt ggtatggctt gcgaaggtga   120
tatgttccgc gccactgcgg gcgtaaacac gcataaaggc agcatttttt ctttagggct   180
gctatgtgcg gcaattggcc gtttgcttca actcaaccaa ccggtaacgc caacaaccgt   240
ttgttctacg gcggcaagtt tctgccgtgg cctgaccgat cgcgaactgc gtaccaataa   300
ttcacaactg acggcaggtc aacggttgta ccaacagctt ggccttaccg gcgcacgcgg   360
tgaagccgaa gc   372

<210> 2751
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(598)
<223> similar to gi1736838 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2751
cgcaattgtt tccctgccga ttaccgaaaa aggctattgt attgacccgg ccaccggtgc   60
actcgacacc agtaatccgc ggattattca cgatctacaa acccctgaag aacctcactc   120
cgcaccgggt attctcgtcg aagcactgaa acgccgccgt gagcgcggcc ttacaccgtt   180
taccgtgctc tcctgcgaca atattcccga caatggtcat gtggtgaaaa acgcggtgct   240
gggaatggca gaaaaacgtt cgccagaact cgccgggtgg ataaaagagc acgtcagttt   300
tccgggaacc atggtcgacc gcattgttcc ggctgcaacc gacgaatcac tggtggaaat   360
cagccagcat ctggggggtga atgatccctg cgcgattagc tgcgaaccgt ttatccagtg   420
ggtggtggaa gataacttcg tcgctgggcg tcctgcctgg gaagtcgcag gtgtacaaat   480
ggtgaatgat gtcctgccat gggaagagat gaaactgcgg atgcttaatg gcagccactc   540
ttttctcgct tatctgggtt acctctcagg attcgcccat atcagtgatt gcatgc   596

<210> 2752
<211> 207
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(208)
<223> similar to gi4062236 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2752
gttgaattat tcctcagcga tgaaggcgat gatgtggtga ttgaagtcgc cgatcagggc   60
tgcggcgttc cagagtctct acgagacaaa atatttgagc aggggggtcag tacgcgtgct   120
gacgagcccg gtgaacatgg cattgggttg tacttgattg ccagctacgt aacgcgctgc   180
ggtggtgtta tcactctcga agataat   207

<210> 2753
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(337)
<223> similar to gi537141 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2753
tcacggttgc ctggacttcg acgacagtac agacgacaaa gagtacgtct tcgacgtgaa   60
acgtacattg caatctgtgg cgaaaagaga aatagctgcc cttgcccgaa caatgatcaa   120
agatggcgac tgcttttttc tcgactccgg ctcaacctgc ctcgaactgg cgaaatgcct   180
ggccgatgcg cgggtaaagg tcatctgcaa cgacattaaa atcgccaatg aactgggctg   240
ttttccccat gtggaaagtt acattatcgg aggactgatt cgcccaggtt attttttcggt   300
aggagagagt ctggcgctgg agatgatcaa tgcct   335

<210> 2754
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(518)
<223> similar to gi147536 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2754
gcaaactaaa accgggagca gcaccagaca acgctcacta tcaaggcaat accaacgtca   60
acggcgaaga catgactgag attgaggaga atatgctact cccaatttct ggccaggaac   120
tgcccattcg ttggcttgct caacacggca gcgaaaaacc ggtaacgcac gtttcacgcg   180
acggactcca ggcattacac attgctcggg ctgaagaact accggctgtt actgccctgg   240
ctgtttccca caaaaccagc ctgctcgacc cgctggaaat tcgcgaactc cacaaactgg   300
ttcgtgacac tgacaaagtt ttccctaatc ctggtaattc aaacctggga ctgataactg   360
ctttttttcga agcatacctg aacgctgact acaccgatcg aggactgctg acaaaagagt   420
ggatgaaggg taatcgtgtt tcacacatca ctcgcacggc ttccggtgct aatgctggcg   480
gcggaaacct caccgatcgc ggcgaaggtt tcgtaccc   518

<210> 2755
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(408)
<223> similar to gi1742266 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2755
tggatgattt cgccagtgtg cagaacatta ttaacaacag tgaagaattt gccgctgccg   60
tgaagaaacg cggtattact gatgcgaaaa aagtgattac cacgccgctg accgtaggtt   120
atttcgatgg taaagatggc ctgaaacaag atgcccggtt gctcaaagtc atcagctatc   180
ttgatgtcgg tgatggcaac tactgggcac atcccatcga aaacctggtg gcggtcgttg   240
atttagaaca gaaaaaaatc gttaagattg aagaaggtcc ggtagttccg gtgccaatga   300
ccgcacgccc atttgatggc cgtgaccgcg ttgctccggc agttaagcct atgcaaatca   360
ttgagcctga aggtaaaaat tacaccatta ctggcgatat gattc   405

<210> 2756
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(461)
<223> similar to gi148165 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2756
taacacccgc gacaagctca ttgtcgtgac cgggctttcg ggttctggca aatcctcgct   60
cgctttcgac accttatatg ccgaagggca gcgccggtac gttgaatccc tttccgccta   120
cgcgcggcag tttctgtcac tgatggaaaa gccggacgtc gatcatattg aggggctttc   180
tcctgccatc tcaattgagc agaaatcgac gtctcataac ccgcgttcta cggtggggac   240
aatcaccgaa atccacgact atttgcgttt gttattcgcc cgcgttggcg agccgcgctg   300
tccggaccac gacgtcccgc tggcggcgca aaccgtcagc cagatggtgg ataacgtgct   360
gtcgcagccg gaaggcaagc gtctgatgct actcgcgcca atcattaaag agcgcaaagg   420
cgaacacacc aaaacgctgg atatcctgcc aagccattaa gacgggtgtc gtcagtggtt   480
ttgccagtct ctgcgttgtc agcgtccgga cattgaatcc gt   522

<210> 2757
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(494)
<223> similar to gi1742410 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2757
aaggatcatc atgttgacgt tacgtataaa acactgcgct cactgaaaca tggcgaagcc   60
ctgctgaaaa tggagtgttg tggtgtatgt cataccgatc ttcatgttaa gaatggcgat   120
tttggtgaca aaaccggcgt aattctgggc catgaaggca tcggtgtggt ggcagaagtg   180
ggtccaggtg tcacctcatt aaaaaccaggc gatcgtgcca gcgtggcgtg gttctacgaa   240
ggatgcggtc attgcgaata ctgtaacagt ggtaacgaaa cgctctgccg ttcagttaaa   300
aatgccggat acagcgttga tggcgggatg gcggaagagt gcatcgtggt cgccgattac   360
gcggtaaaag tgccagatgg tctggactcg gcggcggcca gcagcattac ctgtgcggga   420
gtcaccacct acaaagccgt taagctgtca aaaattcgtc agggcagtg gattgctatc   480
tacggtcttg gcg   493

<210> 2758
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(213)
<223> similar to gi1742348 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
        <400> 2758
ttcaggcgct ggaactggcg gtgcaggagt atccggtgaa agcgtgctgg ctgatgacta      60
atagccagaa tccactcgga tttacctaa cgccgcaaaa aaaagcacaa ctggtggcgt      120
tgctcaatca gtacaacgta acgctgattg aagatgacgt ttacagcgaa ctttattttg     180
gacgggaaaa accgctgcct gcgaaagcgt                                       210



        <210> 2759
        <211> 108
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(109)
        <223> similar to gi1651512 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 2759
tggcgtccgt tgaataaccc gaaacattta gcggtcagca gcttctccat ggaaaacccg      60
caaggctttg gtctgttgca gcgcggtcgt gatttctccc gctttgaa                  108



        <210> 2760
        <211> 317
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(320)
        <223> similar to gi1799996 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 2760
cgcgtggact gtgcgcaggc gtgctggaag agacggtttc ctgttttgct gataatccgg      60
aaaatattct cgcctggtta gggccggcaa ttggtccacg cgcgttcgaa gtgggggggg     120
aggttcgcga ggcgtttatg gcagtagacg ctaaagcaag tgcagctttc attcagcatg     180
gtgataagta tctggcggat atttatcagc ttgcccggca gcgtctggcg aacgtgggtg     240
ttgagcaaat tttcggcggc gaccgttgta catatacgga aaatgagact ttcttctctt     300
atcgtcgcga caagacc                                                     317
```

```
<210> 2761
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(540)
<223> similar to gi1160318 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2761
aagccttcaa catcgaacag gcgaccttta acgactacat ggcgaagctg ggcgaagttt      60
ccgataccga cattcgccgc tttgctgacc tgcaaactgc cctgaccaaa cgtgtggatc     120
acttcgccgc tcacggctgt aaagtgtctg accacgcgct ggatgtggtg atgtttgctg     180
aagcgaacga agcggaactg gacagcattc tggcgcgccg tctggctggc gaaaccctga     240
gcgagcacga agtggcgcag ttcaaaactg cggtactggt gttccttggt gccgaatatg     300
cacgtcgcgg ctgggtacag cagtaccaca ttggcgcgct gcgtaataac aacctgcgtc     360
agttcaaact gctggggccg gatgtaggct ttgactccat caacgaccgt ccgatggcgg     420
aagagctgtc taagttgctg agcaagcaga atgaagaaaa cctgctgccg aaaaccattc     480
tgtactgcct gaacccgcgc gataacgaag tgctgggcac catgatcggt aacttcc        537



<210> 2762
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(211)
<223> similar to gi1787795 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2762
tcgacgccat tatcgccccc gatgccaacg ccctgcccgc tgccgcacaa gccgcagaaa      60
acttgaaaaa tgacaaagta gcgattgtcg gattcagtac gccaaatgtg atgcgcccgt     120
atgtagagcg cggcacggtg aaagaatttg gcctgtggga tgtggttcag caaggcaaaa     180
tatcagtgta tgtggcggat gcattacagt aaaa                                 214
```

```
<210> 2763
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (398)...(487)
<223> similar to gi1384056 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 2763
gggatgcatg actgagatgg agtttggggg aaactgttac tacgtaagag ctcctaccta      60
ccgaccatgg gtgacacgca gacaccttcc catgcctgat tcattcacat ctcctactag     120
ctgtgtgagg cagctcctac tggctccgtt gaaacagatg tgaagtaact agctcaagca     180
gctctaagtc caagttaacg tttgggtttc agggcctgtg tgcttcatcc gtcatttgtg     240
tttctgaaaa gcgagatgaa taaaagttcc agaatggcaa acacgatctt cgggccccag     300
gacagcagca ttgagtgatt ctggtcacac ggggaggcag ccgtgggcac gcctgtccct     360
ggagctcaca acccggtggg caaccgtgga cccacagatc atcggggtcg cggttgccgg     420
tcaggaaatc tccacccgtc cattccagtt ggtcactggt cgcgtatgga aaggttccgc     480
gtttg                                                                 485




<210> 2764
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(130)
<223> similar to gi1799743 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 2764
tacatcgtag tgacggggaa aacacattgc ggtacgccac ttactaccgt tacaggagac      60
gcaacgcaat cgggttatct gacgctgaac ctgcctgaaa tgtgggaagt gtcaggttat     120
aaccgtgtt                                                             129




<210> 2765
<211> 334
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (56)...(336)
<223> similar to gi1651354 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2765
acttcatgtc cgtacgctgt acaaccacca gactgctaaa accctggggt tacccaaatt   60
gatggacttg ggcgacagca gcgagctctt ccgtaagcat cacatctctg gtcaggttct   120
gcgtgacgag ctactgcgtc gcggctggat ccaccaatta cgtcaacgca gcgacggtcc   180
cgcgcaagtc ttttgccatc cagattacgc cggagagatt ggccttatca tgccgtatga   240
aaaagacttc tgcgccactt gcaaccgcct gcgcgtttcc tccattggta aactccatct   300
ctgcctgttt ggtgaaggcg gcgttaacct gcgc   334

<210> 2766
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(341)
<223> similar to gi882538 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2766
actggcaggc gcattgattg cccagggggt tatggatttt ctgcctacga ttgcgattct   60
gaccgccgca gcaagtctgg gctgctggct aagttatatt caggggcgct ggttagggaa   120
taccaaaacg gtgaaaggct ggctggcaca gcttcctgct aaatatcacc agcgcgccac   180
ctgcatgttt gaccgccacg gtctgctggc gctgctggct ggacgttttc ttgcatttgt   240
ccgtacgctg ctgccaacca tggcgggaat ttccggtttg ccaaaccgcc gcttccagtt   300
tttcaactgg ttaagtggat tgctgtgggt cagcgtggt   339

<210> 2767
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(369)
<223> similar to gi2584857 in the genepept database release 114,

1615

<400> 2767

```
cgaaggtatt gagttatctc gatgtactgc gcgacaaagc gccggttggc aacaaagttg     60
ccatcatcgg ttgtggcggg attggttttg atacggcgat gtatttaagt cagccgggcg    120
aatccaccag ccagaatatc gccgggttct gtaatgaatg ggggatcgac agtagcctac    180
aacaggctgg tggcttaagc ccgcagggaa tgcagatccc ccgtagccca cggcagattg    240
tgatgctcca gcgcaaagcc agcaaaccag gacaggggtt aggcaaaacc accggctgga    300
tccatcgcac caccctgctc tcgcggggtg tgaaaatgtt ccccaaagtg agtaatctga    360
gtatcgccag ggtcgtcccg ctcgtggtgt tctccggctc aaatcctcga agccgtttcg    420
ctc                                                                  423
```

<210> 2768
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (358)...(6)
<223> similar to gi405964 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2768

```
gccggttttg ccgcatcaat ggtgcttagc gatgactcaa cgtaccagtg cgccgactgc     60
aaatctgccc gccgggccag taaggagtac cccagttcat caagaagctg gcttgccact    120
ttcggcaacg cgaccggatt aagcttcaat gactttgtct ggttatttgt aagtgcgctt    180
aaccgtgcct caataatttt cattttcccc gcgacatcgt tgagctgctg ccgggttttg    240
ctggcattaa tatcgggttc cacaccttca actgaagaag taatcccgtt ctgatatagc    300
tggcgatcgg tcgcgataat ggcgntctgc tctttttcta tttgctgcaa gaccgtgg      358
```

<210> 2769
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 2769

```
agctctggtg acaccctggc gcgtattccg caggaatccg gcggtaccaa ggacatcacc    60
ggtggtctgc cgcgcgttgc ggacctgttc gaagcacgtc gtccgaaaga gccggcaatc   120
ctggctgaaa tcagcggtat cgtttccttc ggtaaagaac ccaaaggtaa acgtggtttg   180
gttatcaccc cggtagacgg tagcgatccc cgggtaccga catcaa                  226
```

<210> 2770
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 2770

```
ggcggcaacc aaatcgatgg caatgtgttg atagatacct ccattttcgc cagccacgat    60
aaagcccccg gctggccatg gaatgacatg acacaatgct ttagcgctcc gcctgccgcc   120
gccatagatg accgcaactg tttctccgtc tcgctctaca gagccccaaa gcctggtgat   180
atggctttta tacgcgtggc atcttattac cccgttacga tgttcagcca ggtacgcacc   240
ctcccccgtg gttctgccga agcgcaatac tgcgaactgg atgtggtgcc aggcgacctg   300
aaccgctttta cgctgacggg atgcctgcca caacgttctg agccgctcg              349
```

<210> 2771
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 2771
```
cctgctggca atcaatcccg ataagcgtca caatcgcgtg atcacgccgc atcctggcga      60
ggccgcacgg ttgttaggct gttccgtcgc tgaaattgaa agtgaccgct tacattgcgc     120
caaacgtctg gtacaacgtt atggcggcgt agcggtgctg aaaggtgccg gaaccgtggt     180
cgccgcccat cctgacgctt taggcattat tgatgccgga aatgcaggca tggcgagcgg     240
cggcatgggc gatgtgctct ctggtattat tggcgcattg cttgggcaaa aactgtcgcc     300
gtatgatgca gcctgtgcag gctgtgtcgc gcacggtgcg gtagctgacg tactggcggc     360
gcgttttgga acgctcggga tgctggcaac cgaactcttt tctacgctac agcgtatttg     420
taacccggaa gtgcctgttg atcctcttgc gtatacagtc attccccg               468
```

<210> 2772
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(239)
<223> similar to gi43312 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2772
```
tggatatcgg cattggcgaa gaaaaccgta agcgctggct gcgtaccggt aaatgctctt      60
tcctgccgga agagcgcgaa tggatggaca ggctgatgag ctgggggttg gtcgatacct     120
tccgccatgc gaatccgcaa acagcagatc gtttctcatg gtttgattac cgctcaaaag     180
gttttgacga taaccgtggt ttgcgcatcg acctgctgct cgccagccac cccctg         236
```

<210> 2773
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(425)
<223> similar to gi1789585 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2773
```
tcagacataa agggattaaa accctgagaa cgttcgggcg ggccgggtta atgttattca      60
atgcgctggt cggcaaaccg gaatttcgca aacatgcgcc gctgctggtg cgccagctct     120
ataatgtcgg cgtcctgtcg atgctgatta ttgtggtttc tggcgtgttc atcggaatgg     180
tgttggggct gcaaggttat ctggttctga ccacttatag tgcggaaacc agtctgggta     240
```

```
tgctggtggc gttatcgcta ctgcgtgaac tggggccggt ggttgccgcg ttgttgtttg      300
ccgggcgtgc tggttcggcg ctaaccgcag aaatcggctt gatgcgcgct acagagcatc      360
tctccagtat ggagatgatg gcggtggatc cgctgcgtcg ggttttttct ccccgcttct      420
gg                                                                      422
```

```
          <400> 2774
tggcggcctt cctgagagaa tattgccgag gagtacgcga ctaaacgcta tcgttctaac       60
gtcatcaact gggggatgtt accgctgcaa atggcggaag taccaacctt tgaagtgggg      120
gattacattt acatccctgg cattaaagcg gcgctggata atccgggtac gacgtttaaa      180
ggttatgtga tccatgaaga tgcgccggta acggaaatta cgctctatat ggaaagtcag      240
gaagccagaa cag                                                         253
```

```
          <400> 2775
gacgacgctg cgcaggtcgc gcaagtgtgt cagcgactgt tagctgaaac ggagcgactg       60
gacgcgctgg tcaatgcggc gggaatttta cgcatgggcg cgaccgatca gctcagtaaa      120
gaggactggc agcagacttt tgcggttaac gtcggcggtg cgtttaacct gttccagcaa      180
accatgaacc agtttcgccg tcagcggggc ggggcgattg tcactgtggc gtccgacgcc      240
gcgcacacgc cgcgtattgg catgagtgct tatggcgcat cgaaagcggc gctgaaaagc      300
ctggcgttga gcgtcgggct ggaactggcg ggtagcggcg tgcgctgtaa tgtggtttcg      360
cctggctcca ccgacaccga tatgcaacgc acgctgtggg tgagcgatga cgccgaagaa      420
cagcgtattc gcggctttg                                                   439
```

```
<210> 2776
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(176)
<223> similar to gi882545 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2776
gcgctatatc aaagaactgg cgacccatca cgtcggcggt tatctgaaga ttgccccgga      60
acataccgaa gaagggccgt tatcgaagat gatgaagccg ggcatgggca gctatgaccg     120
ctttaaagac ctgttcgata cttgctcaaa ccaggcaggt aaagcgcagt atct          174




<210> 2777
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(330)
<223> similar to gi1203799 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2777
gacaaaaagt ggaagagtat tatgcgcagc acctgagtat ctgcaaaaat atccgcagcc      60
acaatcccta caggaattaa gtcgtcatga ctgtctggtg accaaagagc gcgatatgac     120
ccatggaata tgggagttgg ggaacggtca ggagaaaaaa tcggtgaagg taagcgggca     180
tctttcctcc aatagcggag agattgtgct gcaatgggcg ctggagggca aagggattat     240
gctgcgttcc gagtgggatg tgttgccgtt tctggagagt ggcaaactgg tgcaagtatt     300
gccagagtat gcacaaagcg ccaatatctg t                                    331




<210> 2778
<211> 337
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(326)
<223> similar to gi146715 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2778
ccgcgcgatg ccgactgggt cgattactcc acggttaccg ccctaaaaat gacagcatta   60
cgaatggcgt ggaaaggttt cgcgcaacgt gatgatgagc agatggccgc gtttcgccag   120
tttgttgcag agcagggcga cagcctgttt tggcaggcag cctttgatgc gctacatgcc   180
cagcaagtga aagaggacga aatgcgctgg ggctggcctg catggccaga gatgtatcag   240
aacgtggatt caccagaagt gcgtcagttc tgcgaagaac atcgtgatga cgtcgatttt   300
tatctctggt tgcagtggct ggcttccacg ccagttt   337

<210> 2779
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(224)
<223> similar to gi1651603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2779
gcggtgctaa cttcggctat gacaacctgg ttgtcgatat gctgggcttc agcattatga   60
agaaagtgtc tggtaactcg ccggtgattt tcgacgtgac ccacgcactg caatgccgcg   120
atccgtttgg cgcagcttcc ggtggtcgtc gtgctcaggt ggctgagctg gctcgacccg   180
gtatggcgta taggtcggtc gcgccagttt attccgcgca tcggatgtcg ggtcggacga   240
tgaat   245

<210> 2780
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(365)
<223> similar to gi145474 in the genepept database release 114,

1621

<400> 2780
```
aacgtgcgcg ttttaaactg ccagcgtggc cgaccaccac gattggttcc ttcccgcaaa      60
ccacggaaat tcgtaccctg cgtctggatt tcaaaaaggg caatctcgac gccaacaact     120
accgcacggg cattgcggaa catatcaagc aggccattgt tgagcaggaa cgtttgggac     180
tggatgtgct ggtacatggc gaggccgagc gtaatgacat ggtggaatac tttggcgagc     240
acctcgacgg atttgtcttt acgcaaaacg gttgggtaca gagctacggg ttccgctgcg     300
tgaagccacc gattgtcatt ggtgacatta accgcccggc accgattacc gtggagtggg     360
cg                                                                    362
```

<210> 2781
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(497)
<223> similar to gi1790450 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2781
```
ggaagatgtg attcttaatc gtcgcgacga tggcaccgag cgtttactgg agcttgccga      60
gaaatatcgc ggcagcaaaa ccgacgacac cgccaacgcc cagcaggcgg agtggcgctc     120
gtgggaagtg aataaacgtc tggaatactc gctggtcaaa ggcattaccg agtttatcga     180
gcaggatacc gaagaagccc gccagcaggc tacgcgcccg attgaagtga ttgaaggccc     240
gttgatggac ggcatgaatg tggtcggcga cctgtttggc gaagggaaaa tgttcctgcc     300
acaggtggtc aaatcggcgc gcgtcatgaa acaggcggtg gcctacctcg aaccgtttat     360
tgaagccagc aaagagcagg gcaaaaccaa cggcaagatg gtgatcgccc ccgtgaaggg     420
cgacgtccac gacatcggta aaaatatcgt tggtgtggtg ctgcaatgta acaactccga     480
aattgtcgat atcgg                                                      495
```

<210> 2782
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(301)
<223> similar to gi1786574 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2782
```
gaaagcccat tacgctggtc aatctggcaa cccataccag cgccctgccc cgtgaacagc     60
ccggtggcgc ggcacatcgt ccggtgtttg tctggccaac gcgcgagcaa cgctggaaat    120
acctttctac ggcgaagctg aaagccgcgc caggcagtca ggcggcgtac tctaaccttg    180
cgttcgacct gctggcagat gcactggcga atgcgtccgg caagccttat acccagttgt    240
ttgaagagca gattacccgt ccattgggga tgaaagacac cacctacacc ccctcacc      298
```

<210> 2783
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (35)...(469)
<223> similar to gi147160 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2783
```
tcacttcatt acgcattnnn nattgtaccc ggagatcact ctggcgaacg aattcctgcc     60
cggtgccggg ttggatatgt tgcagctggc gaccgtcgat atctcgaaat atcagagcac    120
tacggaagcg gtacaaagca gttcccacgg cattatgggc acgattttgt cgctggtgcc    180
gacgaacatt gtggcgtcga tggcgaaagg cgaaatgctg ccgatcatct ttttctcggt    240
gctgtttggt ctggggcttt cttccctgcc cgcgacgcat cgtgaaccgc tggtgaccgt    300
gttccgctcc atctctgaaa ccatgtttaa agtgactcac atggtgatgc gttatgcacc    360
ggtgggtgtg tttgcgctga ttgcggtgac ggtggctaac tttggtttct cgtctctgtg    420
gccactggcg aaactggtgc tgctggtgca tttcgccatt ctgttct                  467
```

<210> 2784
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(446)
<223> similar to gi1789525 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 2784
acgagattca ctgtccgtac gccgtacatc ggccatactg ctaaaacccg ggtgctaccc   60
atcttaatca gtcttgccgc taagttccgc gctcaataac ttccttgaac cgttactgcg   120
caaagagaat ctgcggatca tcctgaccgg agccggaacg tcggcattta tcggtgacat   180
catcgcgccg tggctcgcca gccataccgg taaaaacttc agcgccgtac cgaccaccga   240
tctggtcacc aatccgatgg actacctgaa cccagctcat ccgctgctgt tgatctcctt   300
cggtcgatcc ggcaacagcc cggaaagcgt cgcagccgtg gaactggcaa atcaatttgt   360
accggaatgc tatcacctgc cgatcacctg caacgaagcg ggcgctcttt accaaaacgc   420
gatcaacagc gataacgcgt ttggccg   447

<210> 2785
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(310)
<223> similar to gi145300 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2785
ataaacacgg cctgaaactg tatgttcagc gtgtgttcat catggacgac gcagaacagt   60
tcatgccgaa ctatctgcgc ttcgtgcgtg gtctgattga ctccagcgat ctgccgctga   120
acgtttcccg tgaaatcctc caggacagca cggtaacgcg taacctgcgc aatgcgctga   180
ccaagcgtgt gctgcaaatg ctggaaaaac tggcgaaaga cgacgcggaa aaataccaga   240
ccttctggca acagtttggc ctggtactga aagaaggtcc ggcggaagat ttcgctaacc   300
aggaagc   307

<210> 2786
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> similar to gi41638 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2786
```
attgccgagc gtgctggcgg tttatttggc aaaaaggtgc tcgatgtcgg ttgtggcggc      60
ggcattctgg ccgagagtat ggcgcgcgaa ggcgcgacgg tgaccggtct ggatatgggc     120
tttgagccat tgcaggtggc aaaactgcac gcactggaaa gcggcattca ggtggattac     180
gtgcaggaaa ccgtggaaga gcacgcggca aaacatgccg ggcagtatga tgtggtgacc     240
tgcatggaga tgctggagca cgtccccgat ccgcagtcag tggtcagagc ctgtgcgcaa     300
ctggtgaaac caggcggcga tgtctttttc tcgacactta accgcaacgg caagtcatgg     360
ctgatggcgg tggttggtgc ggaatatatt ttgcgcatgg tgcccaaagg cacgcatgat     420
gtgaagaagt ttattaaacc ggcagaattg ctgg                                 454
```

<210> 2787
<211> 201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(203)
<223> similar to gi41037 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2787
```
gaaggcgtgg ctggataccc tgctgcgccg atatgtccaa tttgaggttt atcagggcgt      60
ggttgaaaac ctggccagcg agcaggccgc ccgtatggtg gcgatgaaag ccgcgaccga     120
caatggcggc agcctgatta aagagctgca gttggtatac aacaaagctc gtcaggccag     180
cattactcag gaactcaccg a                                               201
```

<210> 2788
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(426)
<223> similar to gi1773185 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2788
```
gaggatgggg accacgggga cgatcagtta tcgcattaaa cttctggaaa agaataccgg      60
agtagcgctg tttttccgta cgactcgcag cgtgacgttg acagcggctg gcgagcatct     120
```

```
actttcccag gccagagact ggctgagctg gctggaaagt atgccaagcg agctgcaaca    180
ggtgaatgat ggcgtggaac gccaggtgaa tattgtcatc aacaacctgc tctacaaccc    240
ccaggccgtc gcccagttgc tggcgtggct gaatgagcgt taccccttta cccagtttca    300
catctcccga caaatctata tgggcgtctg ggactcgcta ttgtacgaag gtttttcgct    360
ggctatcggc gtcacgggaa ctgaggcgct ggcaaatacc tttagtcttg atcctctaga    420
gtcg                                                                 424
```

        <210> 2789
        <211> 715
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(717)
        <223> similar to gi1736452 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

```
        <400> 2789
aaactatcag gtttcttcgc aacgctttcc ttttaccatt aacgttaatg gtccgggggc     60
tacggcgctg gcatggcact atcttccaac acaattaccg ctggcggtgc tgctaagttt    120
actggtgggc tacatcgcct ggctggcgac cgcttaccga atgagctttt cccgcgaaat    180
caatctgggc ctggcgcaac atgagttcga attgttctgt cagcctttgc ttaatgcgcg    240
cagccagcaa tgtattggtg tagagatttt gctgcgctgg aacaatccgc gtcagggctg    300
gatttcaccg gatgtgttta ttcctatcgc ggaagaacat catttaattg tgccactgac    360
ccgctatgtg atggcagaaa ccattcgtca gcgccatgtt ttcccgatga gtagtcagtt    420
tcatgttggc attaacgtcg cacccagcca ttttcgccgt ggtgtgctga taaaagatct    480
caatcagtac tggtttagcg ctcacccgat tcagcaactg atcctcgaaa tcaccgaacg    540
cgatgcctta ctggatgttg attatcggat tgcccgcgag ctgcatcgta aaaacgtcaa    600
actggcgatt gatgacttcg gcaccggcaa cagctcgttt tcctggcttg aaacattacg    660
tcctgacgtg ctgaaaattg ataagtcatt taccgcagct ataggttctg acgcg        715
```

        <210> 2790
        <211> 304
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(294)
        <223> similar to gi4062338 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 2790

```
gctgcaaact gaaattggca gcatggtcta tgcggtgaaa ccaggcgatg gttctgcgcg      60
tgaacaggcg gcgagctgcc agcgtgtgat tggcggtctg gcgaatattg ccgaggagta     120
cgcgactaaa cgctatcgtt ctaacgtcat caactggggg atgttaccgc tgcaaatggc     180
ggaagtacca acctttgaag tgggggatta catttacatc cttggcttta aagcggctaa     240
gtatagtccg ggcacggcgt ttacagtcta tgcgatctcc gggtacggac ctcgaatctg     300
ataa                                                                  304
```

<210> 2791
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(218)
<223> similar to gi216462 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2791

```
tcgagctctg gacccggaga tcagcaacac cgcctgcggg aagtgatgtt ttatctcaac      60
ttgtcggagc aggaaaaaga tgcgttttgt gaacgcttcg gcgttcgctt gctgacgtct     120
tatgggatga cggaaaccat tgtgggcatt atcggcgatc gtcctggcga taaacgacgc     180
tggccgtcga ttggtcgggt ggggtttttgc tacgaag                            217
```

<210> 2792
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(531)
<223> similar to gi4902925 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2792

```
caatatatgc gtagcgaaga ggagatgtgt gagctgtttg ccgacatccc cgaagccctt      60
gccaacaccg ttgagatcgc caaacgctgt aacgtaaccg tgcgtcttgg tgaatacttc     120
ctgccgcagt tcccgaccgg ggacatgagc accgaagatt atctggtcaa gcgtgcaaaa     180
gagggcctgg aagagcgtct ggcctttta ttccctgatg aggaagaacg tcttaagcgc     240
cgcccggaat atgacgaacg tctggagact gaacttcagg ttatcaacca gatgggcttc     300
ccgggctact tcctcatcgt tatggaattt atccagtggt cgaaagataa cggcgtaccg     360
```

1627

```
gtagggccag gccgtggctc cggtgcgggt tcactggtgg cctacgcgct gaaaatcacc      420
gacctcgatc cgctggaatt tgacctgctg ttcgaacgtt tccttaaccc ggaacgtgtc      480
tccatgcctg acttcgacgt tgacttctgt atggagaaac gcgttcaggt                 530
```

```
        <210> 2793
        <211> 349
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(350)
        <223> similar to gi146824 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2793
gttgggcatt cagatgcgat gattggcact gccgtgtgca atgcccgttg ctgggagcag       60
ctacgggaaa atgcctatct gatgggccag atggtcgatg ccgataccgc ctatataacc      120
agccgtggcc tgcgcacatt aggtgtgcgt ttgcgtcaac atcatgaaag cagtctgaaa      180
gtggctgaat ggctggcaga acatccgcaa gttgcgcgag ttaaccaccc tgctctgcct      240
ggcagtaaag gtcacgaatt ctggaaacga gactttacag gcagcagcgg gctattttcc      300
tttgtgctta agaaaaaact caataatgaa gagctggcga actatctgg                 349
```

```
        <210> 2794
        <211> 348
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(349)
        <223> similar to gi146119 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2794
gggatggtgg gtctgcaaac cgcgcatcgt tacggtaacg caacgctgct ggcgtctgac       60
atggtgtttg gtatcggtaa ccgttttgct aaccgtcata ccggctcggt agagaaatac      120
accgaagggc gcaaaatcgt tcatattgat attgagccga cgcaaattgg tcgcgtgctg      180
tgtccggatc tcggtattgt ctctgatgct aaagcggcgc tgacactgct ggttgaagtg      240
gcgcaggaga tgcaaaaagc gggtcgtctg ccgtgtcgta agaatgggt cgccgactgc       300
cagcagcgta aacgcacttt gctgcgcaaa acccacttcg acaacgtg                  348
```

```
<210> 2795
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(532)
<223> similar to gi1805568 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2795
gcagactgtt ctgccaacca cgacgctgcg cgaagtgaaa gaactgaccg agcgtaacgg    60
ttttgcgggc tatccggtcg ttaccgaaga aaacgaactg gtgggtatta tcaccggtcg   120
tgacgtgcgt tttgttaccg acctgaacca gccggttagc gtttacatga cgccgaaaga   180
gcgtctggtc accgtgcgtg aaggtgaagc ccgtgaagtg gtgctggcaa aaatgcacga   240
aaaacgcgtt gaaaaagcgc tggtggttga tgacgaattc cacctgatcg gcatgatcac   300
cgtgaaagac ttccagaaag cggaacgtaa accgaacgcc tgtaaagacg agcaaggccg   360
tctgcgtgtt ggtgcagcgg ttggcgcagg tgcgggtaac gaagagcgtg ttgacgcgct   420
ggttgccgca ggcgttgacg ttctgctgat cgactcctcc cacggtctct cacaaggtgt   480
tttgcatggt atccgtcagg gccgtgccag tcatcccgat gtacgggtac cgacaacgaa   540
tcagtggtca gtgctgacct                                                560



<210> 2796
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(488)
<223> similar to gi41645 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2796
gggacaaacc agcgtgctgg aagccatcta tacgctcggc catggtcggg cgtttcgcag    60
tttgcagatt ggtcgcgtca ttcgccatga gcaggaggcg tttgttctcc acgggcgatt   120
acagggcgaa gagcgcgaga cagcgattgg cttaaccaaa gacaaacagg gcgacagcaa   180
agtccgcatc gacggtacag acgggcataa ggtcgcggaa ctggcgcacc tgatgccaat   240
gcagttgata acgccagaag ggtttacttt actcaacggc ggccccaaat acagaagagc   300
attcctcgac tggggatgct ttcacaacga acccggattt ttcaccgcct ggagcaatct   360
caagcgattg ctcaagcagc gcaatgcggc gctgcgccag gtgacacgtt acgaacagct   420
acgcccgtgg gataaagagc tgatcccgct ggcggagcaa atcagcacct ggcgcgcgga   480
gtatag                                                               486
```

```
<210> 2797
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(257)
<223> similar to gi440403 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2797
tcgagatcga cacggctgac ggattgatta tggtggactg ctccattgcc ttgaaagcgg      60
aagatacgct ggcattactg cgtaaaagcc tggggtcgtt accggttgta ccattgagca     120
tggaaaaccc gattgaactg acgctgaccg aatgggttcg ctccggtagt gcggcacagg     180
gcttccagct gcttgatgaa gccgagctga aatcgttgct ggaagatggc ggcgtgatcc     240
gcgcgaagaa acaa                                                       254




<210> 2798
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(361)
<223> similar to gi41934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2798
atgctgccga tccagaagct gctgcctgtg tcttccgcag tggtattgaa atcgtcatgt      60
gcggtttgga tgtcaccaat caggcaatat taactcctga ctatctctct acactgccgc     120
agttaaaccg taccgggaaa atgcttcacg ccctgtttag ccactaccgt agcggcagta     180
tgcaaagcgg cttgcgaatg cacgatctct gcgccatcgc ctggctggtg cgcccggacc     240
tgttcactct caaaccctgt tttgtggcag tggaaactca gggcgaattt acctcaggca     300
cgactatggc tgatatcgac ggttgcctgg gcaagccagc caatgtacag gtggcatt      358




<210> 2799
```

<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(488)
<223> similar to gi1742453 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2799
cccccttataa cgatgaactg gcaatgggat tgcagcagaa aatcggtaag aacgttattg   60
cgcgtgcaaa ctatgtttac cgtgaagcgc atgatcaaat cagcaaaagc agtcgtaccg   120
acagcgcgac taaaaccacc attactgaat ataacaacga tggcaaaacc aaaacgcatt   180
cgttcagcct cagttttgaa ctggccgaac ccctgcatat ccgccaggta gatattaacc   240
cacaaattgt ctttagctat atcaagagca agggcaactt gccgttaaac aatggttatg   300
aggagagcaa taccggtgat aaccaggtgg tttataacgg caatctggtc tcttacgata   360
gcgctccagg ggcagatttt aataacccat taaagatctc cttaaacatg gatttcacgc   420
atcaaccgag cgggttagtg tgggcgaata cgctggcctg gcaagaagcg cgtaaagctc   480
gcatt   485

<210> 2800
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(345)
<223> similar to gi1789805 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2800
actctagagg atctgctgat ggcgttagat ggagagcaac atcttcagca acaggtatcg   60
gaaaaagtat tagccgataa tgtgttaatt gccccctggtt ctgttaaacc tgatgcgaca   120
ttctggtcgg ccttaatcca ggatcgctat aacgtgatga cctgtattga aaaagacgcc   180
tgcgtcctgg tcgagcaaga tctgaatagt gatggtcagg cggagcggat cctgtttgct   240
tttaatgatg acagagtcat tgtctatggc tttgactcag acagaaaaga atgggacgcg   300
cttgatatga gtttacttcc gaacgaaata acgaaagaaa aatt   344

<210> 2801
<211> 408
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(411)
<223> similar to gi1799797 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2801
atttcctgtt agcgttcaaa accacatttt tgctcccgat tctttccgcc atttttgtca   60
tgctggcgat gtactacgtc atcaccccct ttggtggctg gatcaacggc ggtatccgta   120
ctgtgctgac tgccgcaggt gagaagggcg cgctgatgta cgcaatgggg atcgccgcgg   180
cgacagcaat cgaccttggt ggcccgatca acaaagccgc aggttttgtt gccttcagct   240
ttaccactga ccacgtatta ccggtcaccg ctcgttctat cgctatcgtt attccgccga   300
ttggtctggg gctggcgacc attatcgacc gtcgtttaac cggcaaacgc ctgttcaacg   360
ctcaacttta tccgcagggt aagaccgcca tgttcctggc gtttatgg   408

<210> 2802
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)...(410)
<223> similar to gi4902923 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2802
actgtccgta cccgtacatc gtcaagactg ggagcacccg ggggatgccc aactcagtcg   60
gcttgctgaa cacatcaaag ctgaagtcgc gccagacctt tcagttcatt tgctggatgg   120
gatgggccgt gaggcgatgg tcgccagcga tgcggcgcta ctggcgtcgg gtacggcagc   180
cctggagtgt atgctggcga aatgcccgat ggtggtggga tatcgcatga agccttttac   240
cttctggttg gcgaagcggc tggtgaaaac tgattatgtc tcgctgccaa atctgctggc   300
gggcagagag ttagtcaaag aattattgca ggaagagtgt gagccgcaaa aactggctgc   360
ggcgctgtta ccgctgttgg cgaacgggaa aaccagccac gcgatgcc   408

<210> 2803
<211> 379
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> (3)...(382)
<223> similar to gi1736747 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 2803
ttcgcatcct cggcattggc ccgtgggaaa gacgcctgcg caccctcatc gaacaatatc      60
aactggaaga tgtggtggag atgccgggct ttaaaccgag ccatgaagtg aaagcgatgc     120
tcgacgacgc ggatgtcttc ctgttgccat cggttacagg tgcggatggt gatatggaag     180
gtattccggt ggcgctaatg gaagcgatgg cggtcggtat tccggtggtt tctactctgc     240
atagtggaat accggaactg gtggaggctg acaaatccgg ctggctggtg cctgagaacg     300
atgctcgcgc cctggcccaa cgactggcgg cgtttagcca attggacccc gacgaattgg     360
ctctgttctt caagcgcgc                                                  379




      <210> 2804
      <211> 339
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (2)...(341)
      <223> similar to gi42996 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 2804
ccggtcaatt gtggttgggc gtaagcgtga gcgtgtgcat gagctggcaa actggctgcg      60
cgaagcgggc atcaacaact gctatctcga aggtgagatg gtacagggca agcgtaacga     120
agcgatcaag cgtttgaccg aaggtcgcgt aaacgtactg gtcgcaaccg atgttgccgc     180
gcgcggtatc gacattcctg acgtcagcca cgtctttaac ttcgatatgc cgcgcagtgg     240
cgatacttat ttgcaccgta tcggacgtac cgcgcgcgcc ggtcgtaaag gcaccgcaat     300
ttcgctggtg gaagcccatg accatctgct ggtgggtaa                           339




      <210> 2805
      <211> 571
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (2)...(573)
      <223> similar to gi1651260 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

<400> 2805
cggccctata gttgaaatta gcggggcgga cccgcgtttc gaaccactga acgcgacggc   60
aaatcaggat taccagcgcg acggtaaaag ctacaaaatc gtgcaggatc cgtctcgatt   120
tagccaggcg ggactggcgg caatctatga tgccgaaccc ggcagtaacc tgacggcctc   180
tggcgaagca ttcgatccga cacagctgac ggcagcccat ccaacgcttc cgatccccag   240
ctacgccaga atcactaacc tggctaacgg gcgaatgatc gtggtgcgca ttaatgatcg   300
cggcccttac ggcaacgacc gcgttatttc actttctcgc gcggcagctg accgtcttaa   360
cacgtcaaac aacaccaaag ttcgtatcga tccgattatt gttgcccagg atggttcgct   420
ttctggtcct ggtatggctt gtaccacagt cgccaaacag acttacgccc tgcctgcacc   480
tcccgattta agcggtggcg cgggaacaag ttcagtgtct ggcccgcagg gtgacattct   540
tccggtcagt aattcgacgc taaaaagcga a   571

<210> 2806
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(339)
<223> similar to gi4062802 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2806
cctgtggtag tgctgtcgag tatagcctat gttgccacct ttatgtgtct ggtgaaaagg   60
ttgcacctga tccagaacat ctcatgcgtt cgcgttactg cgcttttgtg atgcaagacg   120
cagattattt aataaagacc tggcatccct cttgtggagc agcggcgtta cgtgccgaat   180
tgatggccgg atttgcgcat actgaatggt tgggattgac cgtatttgaa cattgttggc   240
aggacgccga caatatcgga tttgtcagtt ttgttgctcg atttaccgaa ggtggtaaaa   300
caggtgcaat aattgaacgt tcgcgatttt tgaaag   336

<210> 2807
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(532)
<223> similar to gi1786484 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2807
```
tgccggtcac  cgatttgccg  gtggaatgct  cgacacctgg  aacttgcagt  ccttagggcc      60
gatgaccgcc  atttcagcag  ggaagattta  cggcctttcc  tggggaaacc  aggccagctc     120
caccatcttc  gacagcagcc  agtcagccac  gccagtgatc  gccttttac   cggcggcggg     180
cgaagtacat  ctcacccgtg  atgggcggct  actaagcgtt  cagaacttca  ctatgggcaa     240
tcatgaagtg  gatacccggg  gtctaccgta  cgggatttac  gatgtggaag  ttgaggtgat     300
cgttaacggt  cgcgtgatca  gcaaacgcac  ccagcgggtc  aataagctgt  ttagccgggg     360
gcgcggcgtc  ggtgcaccac  tggcgtggca  ggtatggggc  ggtagctttc  atatggatcg     420
ctggtcggaa  aacgggaaaa  agacgcgacc  agctaaagag  agttggctag  caggtgcctc     480
gacctccggc  tcattgagta  cgcttagctg  ggcggcaacg  ggatatggat              530
```

```
<210> 2808
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (242)...(330)
<223> similar to gi2588974 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 2808
```
aaagaccaaa  ctgcagcctt  gagttcaggt  agttatgtaa  aatgtgatga  gacgcaggag      60
tgatgtaatt  actccagtgt  gaatgcattt  ccctctctgc  ggttttactg  ggtcaagtgc     120
accgctgcat  taattaaaca  aatgcgtaat  taattacagc  aaatccacaa  caacaacaaa     180
atagtccctt  gcccaggccc  catgtttcag  ttctaaaata  agacgttctc  tgttgaatta     240
ggtggaaacg  gccacagatt  ctgacacgga  gagccgcggt  ctgcgggaat  accactctgt     300
cggggtgcaa  gtggaagatg  agaagcggta  actcagcccc  tcctgacact  gtgtg          355
```

```
<210> 2809
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(725)
<223> similar to gi42431 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 2809

```
tacgaactct aggtccgtac ccggagatct ggctctgaag gggctacgtg ttttgctcgt    60
ggaaggtaac gaccccagg gaacagcctc aatgtatcac ggatgggtac cagatcttca    120
tattcatgca gaagacactc tcctgccttt ctatcttggg gaaaaggacg atgtcactta    180
tgcaataaag cccacttgct ggccgggct tgacattatt ccttcctgtc tggctctgca    240
ccgtattgaa actgagttaa tgggcaaatt tgatgaaggt aaactgccca ccgatccaca    300
cctgatgctc cgactggcca ttgaaactgt tgctcatgac tatgatgtca tagttattga    360
cagcgcgcct aacctgggta tcggcacgat taatgtcgta tgtgctgctg atgtgctgat    420
tgttcccacg cctgctgagt tgtttgacta cacctccgca ctgcagtttt tcgatatgct    480
tcgtgatctg ctcaagaacg ttgatcttaa agggttcgag cctgatgtac gtattttgct    540
taccaaatac agcaatagta atggctctca gtccccgtgg atggaggagc aaattcggga    600
tgcctgggga agcatggttc taaaaaatgt tgtacgtgaa acggatgaag ttggtaaagg    660
tcagatccgg atgagaactg tttttgaaca ggccattgat caacgctctt caactggtgc    720
ctg                                                                  723
```

<210> 2810
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (344)...(737)
<223> similar to gi3287191 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2810

```
tttaaaacaa ttacagagaa aactttattt tgggccattt aggaggttta gatcattttg    60
atcatcttca gctgtcttct cttcacatac aggaaaggcc ttggaaagca gtcgttgcgc    120
cagacagccc agggaagagc ggcagcctga ggacctaggg ccacctgctg ttccctggga    180
ttcatgtcct tctggggagg agggaggacc caggacaatg gctgctgttc atgatctgga    240
gatggagagc atgaatctga atatgggag agagatgaaa gaagagctgg aggaagagga    300
gaaaatgaga gaggatgggg gaggtaaaga tcgggccaag agtaaaaagg tccacaggat    360
tgtctcaaaa tggatgctgc ccgaaaagtc ccgaggaaca tacttggaga gagctaactg    420
cttcccgcct cccgtgttca tcatctccat cagcctggcc gagctggcag tgtttatttta   480
ctatgctgtg tggaagcctc agaaacagtg gatcacgttg gacacaggca tcttggagag    540
tccctttatc tacagtcctg agaagaggga ggaagcctgg aggtttatct catacatgct    600
ggtacatgct ggagttcagc acatcttggg gaatctttgt atgcagcttg ttttgggtat    660
tcccttggaa atggtccaca aaggcctccg tgtggggctg gtgtacctgg caggagtgat    720
tgcagggtcc cttgccagct tcat                                           744
```

<210> 2811
<211> 630
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (65)...(623)
<223> similar to gi5305333 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2811
agagtcaaat agcagatgca ggaagatgcc aggtgaaaga tgccgggggtg gcccagctcg   60
gctgtccctg ctgcttgacc tgcccactcg ccctcttccc caccccccgac aggtgattga   120
cttcggatcc gccagcattt tcagcgaggt gcgctacgtg aaggagccat acatccagtc   180
gcgcttctac cgggcccctg agatcctgct ggggctgccc ttctgcgaga aggtggacgt   240
gtggtccctg ggctgcgtca tggatgagct gcacctgggc tggcctctct accccggcaa   300
caacgagtac gaccaggtgc gctacatctg cgaaacccag ggcctgccca agccacacct   360
gttgcacgcc gcctgcaagg cccaccactt cttcaagcgc aaccccacc ctgacgctgc   420
caacccctgg cagctcaagt cctcggctga ctacctggcc gagacgaagg tgcgcccatt   480
ggagcgccgc aagtatatgc tcaagtcgtt ggaccagatt gagacagtga atggtggcag   540
tgtggccagt cggctaacct tccctgaccg ggaggcgctg gcggagcacg ccgacctcaa   600
gagcatggtg gagctgataa gcgcctgctc   630

<210> 2812
<211> 849
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (286)...(607)
<223> similar to gi469478 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2812
tgtgtctttt gttgggatac tccacagcgg ccgctgcaga gtgaaggcgc tgcagcgctg   60
gtcaccaagg ggtgccagcg attggcagcc cagggcgcac ggcctgaggc ccccaaacgg   120
aaatgggccg aggatggtgg ggatgcccct tcacccagca aacggccctg ggccaggcaa   180
gagaaccagg aggcagagcg ggagggtggc atgagctgca gctgcagcag tggcagtggt   240
gaggccagtg ctgggctgat ggaggaggcg ctgccctctg cgcccgagcg cctggccctg   300
gactatatcg tgccctgcat gcggtactac ggcatctgcg tcaaggacag cttcctgggg   360
gcagcactgg gcggtcgcgt gctggccgag gtggaggccc tcaaacgggg tgggcgcctg   420
cgagacgggc agctagtgag ccagagggcg atcccgccgc gcagcatccg tggggaccag   480
attgcctggg tggaaggcca tgaaccaggc tgtcgaagca ttggtgccct catggcccat   540
gtggacgccg tcatccgcca ctgcgcaggg cggctgggca gctatgtcat caacgggcgc   600
accaaggtaa ggctaggtgg gggcctcttt ggagggggctt tgcagcaccc tggtttgcag   660
cattcagtgc tctgagcaca gtgggtttgg agacaggctt ctggaggtc acagaaggtt   720
taagcagttc agtggagtgg gtatgcttac ttgtggggac ttgggggggt ctttatcctc   780
cctacgggcc ttaatgtgtg cacctgataa gctaggagtt tgtcctggag ccaacgagat   840
cgtcgaacc   849

1637

<210> 2813
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (38)...(762)
<223> similar to gi467292 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2813
ggttcgacga tttcgtcctg gaaaaactgt gggtggtgaa cagagagaac agcatccatc   60
atctggagaa aaactaaaat acaaccagca aggggaagta caacaacttc accagaattt   120
gcaccggctc cagattctat gcaactcagc tgaaaatgag cttcgatatg aacgagggca   180
gaacttggac ttaaagcaac ataatagctt acttcaggaa gaaaacatta agataaagat   240
tgaactaaag catgcccaac agaagttatt agacagcaca aagatgtgct cttcactcac   300
ggcagagtac aagcactgtc agcagaaaat caaggaactg gagttggaag tacttaaaca   360
cactcagagc attaaatcac agaacaacct acagggaaag ctggttcagg agaaatctaa   420
agttgctgat gcagaggaaa agattttgga cctgcagcgg aaattagaac atgctcataa   480
agtctgtctc acagacactt gtatttcaga gaagcagcag ctagaggaaa agataaaaga   540
agcaacacaa aatgaagcta aagtaaagca acaatatcaa gaagaacaac agaagaggaa   600
acttctatat cagaacgtag atgagttaca caggcaagtg agaaccttac aagataaaga   660
aaatctactg gaaatgacct gttctcagca acaatccaga attcagcaac aagaggccct   720
acttaaacaa ctggaaaatg aaaaaagaaa atatgatgag gtaagaaagt aaatagacat   780
gcttctcagt tttcctattc ccattagtaa cagctaatta ttattgagtg cctagcactt   840
tactaaacct aatcctttag tcagggttca gtcaggaaag tagaatctac tctaggtatt   900
tcaagcaaga agagaa   916

<210> 2814
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (215)...(387)
<223> similar to gi804996 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2814
caacagtcta aagctaaaac tctttagtag atataagcaa agagaaaaaa gggccagaat   60

```
ggataggaag ggactcccaa aatctgagca taccacccccc ttaaggataa atgttgctag      120
acacccataa ttgaggttag aaagaggaaa gaaggaaaag ttagtgggct atagaggga       180
aggatgtgat gtgagcagat gggtctcact cattctgctc tgtgcagagt acctgaacta      240
tgaggatggg aaattctcta acagccgcgg tgtgggagtg tctgaggaca tggtccacga      300
cacggggatg cctgctgaca tctggcgctt ctatctgctg tacattcggc ctgagggcca      360
ggacagtgct ttctcctgga cggac                                           385
```



```
<210> 2815
<211> 1362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(1362)
<223> similar to gi2094864 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```



```
<400> 2815
cggacgcgtg ggcggacgcg tgggttccag aagtgcttgc tgttatccag gtgtgccttg       60
aaggggagat ttctcgccag tccatcttga acagtctgtc tcgaggcaag aaggcttcag      120
gggacctgat tccatggaca gtgtcagaac agttccaaga tccagacttt ggtggtctgt      180
ctggtggaag ggtcgttcgc attgctgttc acccagatta tcaagggatg ggctatggca      240
gccgtgctct gcagctgctg cagatgtact atgaaggcag gtttccttgt ctggaggaaa      300
aggtccttga gacaccacag gaaattcaca ccgtaagcag cgaggctgtc agcttgttgg      360
aagaggtcat cactccccgg aaggacctgc ctcctttact cctcaaattg aatgagaggc      420
ctgccgaacg cctggattac ctgggtgttt cctatggctt gaccccccagg ctcctcaagt      480
tctggaaacg agctggattt gttcctgttt atctgagaca gaccccgaat gacctgaccg      540
gagagcactc gtgcatcatg ctgaagacgc tcactgatga ggatgaggct gaccagggag      600
gctggcttgc agccttctgg aaagatttcc gacggcggtt cctagccttg ctctcctacc      660
aggtcagtac cttctctcct tccctggctc tgaacatcat tcacaacagg aacatgggga      720
agccagccca gcctgccctg agccgggagg agctggaagc actcttcctc ccctatgacc      780
tgaagcggct ggagatgtat tcacggaata tggtggacta tcacctcatc atggacatga      840
tccccggccat ctctcgcatc tatttcctga accagctggg ggacctggcc ctgtctgcgg      900
ctcagtcggc tcttctcttg gggattggcc tgcagcataa gtctgtggac cagctggaaa      960
aggagattga gctgccctcg ggccagttga tgggactttt caaccggatc atccgcaaag     1020
ttgtgaagct atttaatgaa gttcaggaaa aggccattga ggagcagatg gtggcagcga     1080
aggatgtggt catggagccc acgatgaaga ccctcagtga cgacctagat gaagcagcaa     1140
aggaatttca ggagaaacac aagaaggaag tagggaagct gaagagcatg gacctctctg     1200
aatacataat ccgtggggac gatgaagagt ggaatgaagt tttgaacaaa gctgggccga     1260
acgcctcgat catcagcctg aaaagtgaca agaaaaggaa gttagaggcc aaacaagaac     1320
ccaaacagag caagaagttg aagaacagag agacaaagaa ca                        1362
```



```
<210> 2816
<211> 624
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (325)...(607)
<223> similar to gi4589582 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2816
ttttgccact taaaaatttc tcaaatttct tctttccacg taattgtgac ataggtatta   60
tttgtgttat atcccagatg gctcactagg gctactaatg tttagagttt gatttgtgtc   120
tttagcagta aacattttaa aagaaacttt tagcagtttt ttagggtaat tacatgtctt   180
cctttcaagg gtccagatta tagactctac aagagtgaac cagagttaac aacagtggca   240
gaagttgatg aatctaatgg agaagaaaaa tcagaacctg tttcagagat agaaacttca   300
gttgttaaag gttcccactt tcctgttgga gtagtccctc caagagcaaa atcaccaaca   360
cccgaatctt cgacaatagc ttcctatgta accttgagga aaactaagaa gatgatggat   420
ctaagaacgg aaagaccaag aagtgcagtg gaacagctct gtttggctga aagtactcga   480
ccaaggatga ctgtggaaga gcaaatggaa agaataagaa gacatcaaca agcgtgcctg   540
agggagaaga aaaagggtt aaatgttatc ggtgcttcag accagtcacc cttacaaagc   600
ccttcaaatt taagggataa tccg   624

<210> 2817
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (337)...(1)
<223> similar to gi2323287 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2817
cgcagggttt aacaaggccc tgcatcctta ggttattaat gatggcttct agttgtttcc   60
tagcttctgg ttttagggga tattgtcttt aattagggaa ggagatgaga tccctgagat   120
ggatttggac tggtgagact gttgtagctc agccagtatt ttcctgaatt gcccaaacat   180
ctggattaat atcagtctcc accagaggga ggcaaagagt ctgtcctgga gccataagga   240
tggtggttcc catgtgagct aaaatatccc tacctcagag gagtcgggct ttcaggtatg   300
attaaaaagg cataggtaaa cgaaaggtct ccctagg   337

<210> 2818
<211> 1165
<212> DNA

<210> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(924)
<223> similar to gi567232 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

        <400> 2818
aactggaaga gcaggtgaag aggctccttg ggtgggcacc cctggcgtcc tcccatgagg   60
gcagcctcac aggggtgtct gcctgtgagt tttgttacag ggcctcacca agagagggcc   120
tatggaggcc gaggaccagg gggagctttt cctgcacctc cggtcagtgg cacgtgcccc   180
ccagacctta tctatgcacc gactccagag aaagctgaag gaggcagcca gaaaaatcat   240
cagcctccgc ctggagaaag agcagctcat cgagatgggg aacaggctcc gtgcagagct   300
gggccgaccc gaaaggtggc tgttgcacca cgccctccct cctgcccctg aggcccggaa   360
gccaggcgag gagcccagga ggcctttgga tcgcagccca cctttgggac aggtgcagcc   420
ccattttaca tctcaggacg ccaagagtgc cgaggatgag gctccttcca gacacttggg   480
aaagcaccag ccccgctcag cacaggtggg cagcagactt gacgccctgc aaggcccgaa   540
gacacaacac agcatccaca cggtgacctg taaatcacct cggcagaaag aagacaggtc   600
cccaaagcca ccccaggctc ccaagcaccc tgaggagcat ggtcgccaat cccacagctc   660
ctcctccttt gccagtggca ccctccagga catgtggagg ttgctagacc tgggatccag   720
cccttctggt gtcacctccc agggtgactc aactccagag ctcccagctc ctccagcagc   780
cgacaggagg cccgtcaaga tgcaggcagg cattgccacc ccagggatga agacagcagc   840
ccaggcaaag gccaagacca caggagcctc ccggtctcat cctgcaaaag ctaaaggctg   900
ccaggggccc cccaagatcc gtaactacaa cattatggac tgacttcctc cccccacccc   960
gccccactaa ggggtgctcg gggcctccgc atggtgcctg tgctttcacc tacatgttgt 1020
ggggggggtgt gggcacagcg tgcagggtgg aggcagggag ctgcagggca ggctcccaaa 1080
tgctgctgag gcgaccctgc tgactgaagg cctccctgag cacagggccc attaaaacca 1140
ggttcctccc tggggaaaaa aaaaa   1165

        <210> 2819
        <211> 5176
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5177)...(1858)
        <223> similar to gi5689369 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters

        <400> 2819
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gatcctttaa aacggccccc cctttttttt tttttattc cagagaagtt tgtatttggg   180
ccttaagctt ttgaaaataa agtttagaga catagcatat gaataccact gtaatacaca   240
tgaaatattc tatcagaccc taaaaattaa cataaacttt taactttctc atagtcaaca   300

```
aaatagtggc tggttgccaa ttttattaga taagttggtt acagcatttt aattatcatt    360
ttacgtctat ctaggtgtag ctgaaattca aaatgcacat caaagtaaaa ctatatcaca    420
actcaatgcc atactaaatg tacttggcct ctgcaataga attctagtca gacttcattt    480
tttactccct tcttatgacc caagtggctt taacaggaat gcaggactta gtgctgatca    540
tcacacaaca taccactttc tttttagaac ctctacaaaa ttttgagggg agatggtggc    600
attagccctg tggaacagat cttgatcacc tcaataacac tggcccatta tctgtccctg    660
cctgaaccca ttggtgaaat agtacaaggg tgcacaagcc cttcactgat tacatggcaa    720
gtgttacagt agccttagcc attagggaag ggggaggtta catcataggt acaaaataca    780
gtataaaagc gttatttaac cattccacac tggagggtta ctctgatggc cttccaaacc    840
cagtcggttt ggatggttag cccacttaaa ccaaatacat cacttaaggt aaacaatata    900
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gagatgtttt tacagattgc tttttacaca atgtcttaaa ttgccaaata tttacaacat   1020
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aggcccattg cttgaagaac cacagtagct gctgtggctt tagcatgctt cttattaggg   1200
ctggcaaagc tgggctggta agcgcttcca tttatcaata cctattcaag aaaaacatac   1260
aattgggctg gtaagcgctt ccatttatca ataccctaaa gagaaatgt ttgcgatgat   1320
caggccact atcatggacc aatagaaatt caggtggttg ccaccttctt ttattacaga   1380
tctccatcaa agcagacaca ggatgtttgc ctgacagatc tttcattgca gcagagaagt   1440
tcccagacct cttttgtgct ctttctccta ctgcaacaag accttttcgg tctgtcttaa   1500
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tccagcccat ttttctcatc aaaacggctc ccattcctcc agttaccggg gctgctctta   1620
agaactgatc cttttttaatc caggcttggg caccagtatt ggccaactgt tcttgtgtca   1680
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cactgagtct tttctgagca agtgcccgtt cactcattgc tgtagagatg tccacaggct   1860
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ccacaggaac ccattctcca taaacactat ccgcttcttt tttccgatgt tgagatccag   1980
atgatacagg gaattctttt gttaatgtta cctggctttt tggtggagtt ggttttgctg   2040
cagcaatatt cagattgaaa aaaataggtt tgggttcact gagtttaaag ggatgatgat   2100
aaaaaggagg ttcttcttcc tcttcatccg aaacatgagg tttattcact attacatcat   2160
catcttcttt actctgtgcg atctgtttac atttctcagt tagttcttct atagtagctc   2220
ctcctgactt tttagcaact ttctcttcta tagtaggtgg aggtgcaggc tttaggtttg   2280
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tccggcggct tggggtgcgg ctccgacggc taggggtgcg gctccggcgg ctgggggtgc   2580
ggctgcggcg gctggggggt cggctgcggc ggctgggggt gcggctgcgg cggctggggg   2640
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ttgatcttga tctgctgctt ctcctcctgc ggtcttggaa cgtgaccgtg aacgtgtctg   2940
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taagcttgcg tgatttgtgt tcagaagatt tggaacgctt acttcgagat cttaatgaag   3060
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tggcagaaaa tcctgaatca ggcaagtgct ctctttagga gggggggaggt acttcttttt   3420
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ggtggaaatt agcatgtcat gttcagtatc ttgagtagtt aaagataaat caacatcata   3660
tttattaact aaactgagag tagatgctgt ggtaaattca ataccttac tagttccctg   3720
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ttttctcttc accaatttcc ccaacaggac tagtaccagc agcacacact gtattatgtt   3900
ccatctcttt agcaattaaa tgattattta tattaaggtc tatatttata ccatgttcgc   3960
tttcgtaaaa gtcacctttc aggtgttcct cagcatgtgg ttcttcacct gaatgcaatg   4020
caatctcctg catgccaatc tctggagcaa gattttgatc accagaggat agattaattc   4080
ctttcataac atgtgatgac atgatactag attccagtat cattggtgtg gactctatag   4140
ccacctcagt tggtattact tgagtctgct ctgagactgt gacagcaggc tctgaaactg   4200
tcacagtcga ttcctggaca gaaacagatg gttctgaaac aatcatagaa ggttgaagga   4260
ctgacaccgc tggttccaga acaggcacag aaggctccag cgcagaaaca actggcacag   4320
gaatggtaac atagtctggc tcagccacaa caggaggctc cgggacagtc acaaccgaag   4380
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tcacagccga agactccagg acagccatag ctgaagactc tggggcagcc atggctggcg   4500
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acataacagg aggctctgat gctaacacag ttggttcagc tgacatggcg ggagtttcag   4680
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ctgctgaagg ctccgaaatc tcactttgac tcacaggagg ctcaggctgc gatacagact   4920
cttcagatgg taatgatggc acctctgtag gccaagtatt ttcagctgtt aatgctgact   4980
gctcagtggg caatgctgga ccctctggtg gttcctcagg aggcaatggt ggtgtcattg   5040
gtggctcctc aggtggcaac ggtggcattg ttggggggctc ttcaggaggc aaaggtggca   5100
ccatatatgc ctctgtatat gtgtcagtgt aagaatcggt gtaagaatca gcagccatag   5160
acatcattga acgatc                                                  5176
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<210> 2820
<211> 2295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2285)...(1610)
<223> similar to gi505098 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2820
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caaaaaatcc agataggaag acaggcttat ttacaatgaa agtaaggtaa aattaacgta   180
gttttcttat gaaataataa aaaaaaatca aacatatgct acaatgggca ccactgttca   240
cagcaatatt aaagaggaga aaacaacact tatttaatag ggacagatat accacaaggt   300
acaacatcag tgcaataaat tcacaaaact atattacagc tagttaatca gtttaagaat   360
tgttcccgtc agtcacattt tttggccctc agaagttcat tcctaaagat ttcaactact   420
ctaaatttct agctaccaag aagttaagaa tgattataag aagctttcca aggagttatg   480
aaatctttgt agaccagagg ccaactatca tcacctcaag tctgctctca ccaacagccc   540
ttgtattttt cagggagaaa tctctaggaa aaaagtcaga caccagtgta gtcactatct   600
cccatgtcaa acctagggga ctaaaatggt cagtattacc ataaaatgat aattttgagg   660
tttaccttaa aaggcttatt ctggtctcaa aaattagata agattatctt ctactgaaat   720
```

```
gaatattgac taaacataga agactgctgt cctttgcca gtcttagagt gaaagtcata    780
gacatgagtc ttaacctact gtatactata gctaatgtca gctgaaaatc tgaaattaaa    840
agcatgctag aaatcctaaa tgcaatcttt tggaagtctg ctattaaaaa gcctttaagg    900
atttactaac ttcgagtcta agtgcaaggg gacgaaagct taagcctgtc agacattcct    960
tttcttggac aaaaagatca aagtttccta caaattgcta agctttgcac aagggagaag   1020
cctacatgta ctagtgcatg gaatcagttt catcttattt catggggact cttctcccac   1080
tggaaagaaa cagaatgagg aatgaatctt aattggtctc ttcatcagaa gtggtaaact   1140
tggtctctat attcacgaag tcagacagtt ttttaagcag actgtggaag cagacagaac   1200
cagcttcctg tagccacaga ccactacatg gtatctaagc taaagcaaag atgaacaatt   1260
atccagattc acttgaactg tactaaaggg caaggttcac cactacaaaa aggaagttgt   1320
ctaaaagcaa gaattcaatt aacgctgggt aagaaaagtc aaaacactaa tgagttgtcc   1380
atgaagccaa ctgctaagaa cgcgctcaac tatacgcgac atgaagacac tatgcacgaa   1440
gccttacttg gcgagtctga atttctatta actaagggca gagtgaggga gaacaaagag   1500
ctacttccgt aacattttag tatccagata gtacagcaga aacggttccc ggggcaatgg   1560
gtgctgcatt aatcacactg attaaagcag atgaatcatt ccgttttttcc tttttctttt   1620
tgtttgagaa gtttgtttat ctccctcttg gccattccca atgtacttca aaaatgattc   1680
ccatgttggg tttaggtcca gggaagcaat aagtaaggaa gtcactatca ggtaggtgaa   1740
gaagcaggtt gtggacttgt tgtcccaccc aagcaaaccg cagcaaggga aacgatcatg   1800
gtcatgaagt acatcttagg ttttttcttcc tttagtgtga aagagccgtt tccacccaac   1860
ccacagctct gcgtccgagt ttttactaga ttgctgcaaa tttcatggaa tctttgctgt   1920
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aggctctttc ccatcggagg actttatcag ccatcagcat cacttctccc catccttgca   2160
gctgttctta ccaaacttgc agtctctgca gccagcaggt tggtgctgcg attatctccc   2220
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ccactcgtgc cgaat                                                    2295
```

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<210> 2821
<211> 4028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2616)
<223> similar to gi200009 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2821
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gcagcaaatt ttagaaccgt gcggaatgcc atgcagattg tgggctttat ggatcatgaa    180
gctgagtctg tcttggcggt ggtggcagca gtgttgaaac tggggaacat tgagttcaag    240
cccgaatctc gagtgaatgg tctagatgaa agcaaaatca aagataaaaa tgagttaaaa    300
gaaatttgtg aattgaccgg cattgatcaa tcagttctag aacgagcatt cagtttccga    360
acagttgagg ccaaacagga gaaagtttca actacactga atgtggctca ggcttattat    420
gcccgtgatg ctctggctaa aaacctctac agcaggttgt tttcatggtt ggtaaatcga    480
atcaatgaaa gcattaaggc acaaacaaaa gtgagaaaga aggtcatggg tgttctggac    540
atttatggct ttgagatttt cgaggacaac agctttgagc agttcattat taattattgt    600
```

                                        1644

```
aacgaaaagc tgcaacaaaa cttcattgaa cttactctta aagaagagca ggaggagtat    660
atacgggagg atatagaatg gactcacatt gactacttca ataatgctat catttgtgac    720
ctaatagaaa ataacacaaa tggaatcctg gccatgctgg atgaagagtg cctcaaacct    780
ggcacagtca ctgatgagac cttcttagaa aagctgaacc aagtatgtgc cacccaccag    840
cattttgaaa gcaggatgag caagtgctct cggttcctca atgacacgtc tctgcctcac    900
agctgcttca ggatccagca ttatgctgga aaggtgctgt accaggtgga aggattcgtt    960
gacaaaaaca atgaccttct ctatcgagac ctgtcccaag ccatgtggaa ggccagccat   1020
gccctcatca agtctttgtt ccccgaaggg aatcccgcca agatcaacct gaaaaggcct   1080
cctacagcag gctcacagtt caaggcatcc gtggccactc tgatgaaaaa cctacagacc   1140
aagaacccaa actatattag gtgtatcaaa ccgaatgata aaaaagcagc acacatcttc   1200
aacgaggctc tagtgtggca tcagatcagg tacctggggc ttttggagaa cgtccgagtg   1260
cggagggcag gctacgcctt caggcaggcc tatgaacctt gcctagaaag atacaaaatg   1320
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tttaatgaat tagaaattcc cgtggaagaa tactcctttg gtagatcaaa gatattcatc   1440
cgaaacccaa gaacattatt caaattagaa gacctgagga agcaacgcct ggaggacttg   1500
gccactctca ttcagaagat atatcggggg tggaaatgcc gcacacactt cctgctaatg   1560
aaaaaaagcc aaattgtgat tgccgcctgg tacaggagat atgcgcaaca aaagaggtac   1620
cagcagacaa agagttccgc cttagtaatt cagtcttata tccggggttg gaaggctcga   1680
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gcatattggc atgggaccca ggtacgtaga gaatacagga aattcttcag agccaatgct   1800
ggaaagaaaa tctatgagtt tacgcttcag agaattgtgc aaaaatactt cttggaaatg   1860
aaaaataaga tgccttcctt atctccaata gacaagaatt ggccctcaag accttactta   1920
ttcttggatt ctactcacaa ggagctaaaa aggattttcc acttgtggag gtgtaaaaaa   1980
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gaactcttca aagacaagaa ggctttatac ccatctagtg ttgggcaacc attccaaggg   2100
gcttacctgg aaatcaacaa gaaccccaag tataagaaac tcaaagatgc cattgaagaa   2160
aagatcatca ttgctgaagt cgtgaacaaa attaaccgtg ctaatgggaa gagtacatct   2220
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aaaaacaacc gtctccttga agttgctgtc ccttaactgg cgcctcctct ctactttcat   2640
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tagaaactaa cagtgtctat tttcatgtct gatgtgttct tcctttagtc atcatgttag   2880
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aggcactgtg ctagatggta tgaaaactta ttaggaacct ttttgttttt gagaccattg   3060
cattctggct ggtttgtgct ggtttaacga catctaagaa ggtttagaaa tggtgagacc   3120
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taacttgcag ggctttcttt cttttcttc aaatttacaa gggttcattt tggaaactac   3720
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ttatgttaaa taataaaatt gttctaattt ggtgccattt tcctgaatca caactgtatt   3840
tttgtatctc aagctatttt catatgttat gtgtcaatgt atcatctctc agaaaggttt   3900
tacaatccaa acattatatg ttctctgtgt aactgaattt cacttatctt ttataaacca   3960
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1645

.

<210> 2822
<211> 2331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2164)...(864)
<223> similar to gi4884550 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2822
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gaagaaactc caaaaggaaa cagagcacgg atgacagaaa tgacaccacg gcagcctggc     120
tcaggagtca ggtagataga tggctgctcc acagtggacc tggtcatggc cctggtttct     180
tggatccaca tttgccccgt ctcttaagtg tccatctcag aggtggagga tggagacagt     240
gaggtggaaa acgtgcttgc tctacacaaa gacaaatgga tcttctattc ccagaggacc     300
agggacacca aaacctccct cttcagaatg gaggtagaca gataaaaatg agaggggctt     360
gagtgtcaca gacaatctga aagtaataat aggggctcac tgtggctggc agaactggta     420
ctgaaatggg gactacaggg gaagcagctt ccagttttat ggtggagagt cagtcctgaa     480
tcaggccctg gggcaattat aaccagagtg ctgtttctag ccacttactt caaaggacta     540
tggctatgtt gaatcagaag ccattatctt tttcccagag gatgcacttc catccctatt     600
tctggcatga tcctgctccc tacgagcctg atcctttaaa aaacagattg gcaagcgacg     660
agaaaaacgg tgcctcacat gcttgagatg tgacagcttc tcctgcaggc aagaacctct     720
cagaacaagg tcctttggta tgagctagat catccaggcc tgtccctgca gaacacacca     780
agactcatcc ctgtactaca gggtggcctc tggctatggc ctggcacagt gaggacagag     840
gcggggtcct gagtcaacat cacagggagg tctcctggag gatgcaggtg gagctgctcc     900
cctgataggc tgtgccatcc agggccatgg cctccttgtc tctgctgtcc cccagcacac     960
cattcctcgg cttctcagga aacaggccag tgtcgaggtg gtcctggccg tagctcctgc    1020
agtggagccg cttctgacag gacaacggaa ggagggacag gagctttggc aacactgggt    1080
aaatggttgc agggttcagg gaccggcctc gcattctccc tgaatggaaa tgtgcttctg    1140
agtctctggg tggaaccatc cacagcagcg ggccccatgt cctcccttgg cccccagaga    1200
ccccagcccc cacccacctc ctacatccca gcagaaaagc ctgacagcta cggacaccca    1260
aggagctcag agggcaggag cctttctccc taggagtccc cttagggccc tcttgttaaa    1320
cccctccggt gcttcatctg caccgcaatc cccacaccct taccaagtga agtagactga    1380
caaatcaggc cccaccacaa atcactgtgg tggagttgtg agcactgtac cataagtaag    1440
acaaggaata gaaccgctgc agccctgtgg gcctgggaag agcagaggtg agaacaatta    1500
gcaattcgtt ggcagggcga ttccttgggc accaatctct acttgcccgc atggtcccag    1560
ggtcttggga cccaataccc aacatttccc tggggcctct ggtggcccat cccttagcaa    1620
gaccctgtg aaagccctca aaggaggact ttgagaaaac aagaagatag caagccctgc    1680
cttacttgga gaaggtagtc aagggcatca gtgtggtcac agtggcaacg gttagattgg    1740
tgggcaggga gaagctggac ccattagagg gagagggtgg catgctgaag cccatgctgg    1800
tcacgatgct cccgatgcca atccagaagg ccatgacgag cccagccaac aggcccacaa    1860
cagcaccctg ccgagacaca gtgcaggcct gtcacaaggc cagtcctgcc agccctcacg    1920
gcagtcctca gctctcctgg tgacagccct gccaccccc aggtccatcc tgctacacat    1980
gactgtggat ccagatgcat cactcacagg agggttagca catggaaaga acattccaag    2040
gcagaagagt cccagcagcg gtcccccaac catgccaaag atgctgattg ctgcctgcag    2100
cacaggtccc atctgggagg aaatataggc cattcctaga caaagcagcc catagccaaa    2160
```

```
ggctgggggga aaaggacagg agaggaaaca agaaggtgtg agttaacaca agcaatgggg    2220
taaagcaagg ctccctgccc agccaaacta ccacctctgt ctctctggaa acaaaaggca    2280
tattacatca cgccccagct tcctcccacc aagtcctcac tcctatgtga c             2331
```

```
        <210> 2823
        <211> 559
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(299)
        <223> similar to gi1938404 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2823
aactggaaga gcctacaatg ttccccagca tgctgttggc attgttgtaa acaaacaagt     60
taagggcaag attcctgcca agagaattaa cgtgggtatt aagcacttta agcactctac    120
aagctaagag aatttcctga aacgcatgaa ggaaaatgat cagaaaaaga aggaagccaa    180
agagaaagtt acctggattc aactgaagca ccagtcagct ccacccagag aagacaatgt    240
gagagaacca atgggaagga gcctgagttg ctggaaccac ttccctatga attcatgcat    300
aatacatata tacacatata tgtgtgtgta catatacata tatacatatg tgtgtatata    360
tatgtatata tatgacctct ggactgtaaa aaaaaagtaa taaaatgtaa gaaacctggt    420
aatatgacct caggtaggca tcaaggaaac atcaaccggg gaaggtatgc tggaagtaga    480
cccttgaaat ggtgatgaaa tggacttcca cgggtgaatt tatgaaggga cggatacttc    540
tctttccttt gaggttctg                                                  559
```

```
        <210> 2824
        <211> 850
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(851)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (708)...(194)
        <223> similar to gi4558760 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2824
agcagtccaa ggttgctgta ctttctggag tcagtactcc cgaataaata gcgtgaatgt    60
tcccagtcct gcttgcaagc ataagctacc agtgagcttg tttcaggctg tgagaatgga   120
taaggacaga tggaagcaat ggtgttcttc tcagctggaa cccgatgtgg tccgtgtgca   180
gcctgacact cgaaactcat tcatcttcct ttctaagtcc tttcacatgg agtccaaccc   240
ttgggcagaa ccccagattt tcttcagtac ttcacatgtt ctctcgttgg cctgttccag   300
atccctcttc atgttgcagc acaccaaggc tttggattcc tccagcacta ttcgattaca   360
tgagacaagc ttcttgatct gagccaccaa tttcctgagt gaaggtccag gacccaaaca   420
gctgggagag aaggccgttg ccaaatgcct tctgtgtgat cagtttcaac ccactgagca   480
tcgtctcgct tgcagctggt cgtcccatga tttcggaaac gtaatggtaa atcagctgtc   540
tggaatctgc tcagaggtag aagaggttgt tggaaaccaa gtcttttgat tagcctaaac   600
catatcataa aggggcaata cggatgctcc tagtcgaatg gctgggatag tgactgcttc   660
aataatattc agtttgagtg aaatgatagc cttcacgaag ttcctcccat ccaagtactg   720
aagaggccgt accctgggcg caatctcgtg tactctgtac ttcagtgacc agatgagatt   780
ggagcgttca ctgtgctatg gccgtagatt atgtacgacg tttctggtag cttctcttct   840
gccattntaa                                                          850


        <210> 2825
        <211> 6171
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(5292)
        <223> similar to gi3510695 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters


        <400> 2825
atgaattcat ttctgtcttt tcccatctcc ttgtgtagtg cccggaaggc agtggatgag    60
gaagaggaag cagttgaaga acgtcgcaat atgcgaacta tctgggtgac tggcagaaaa   120
ggtttaactg aaagggaagc agcagccctt atagtggaag aagccagaat gattctgcag   180
caggacttag ttgaaatggg agtgcaatgg aatccatgtg ccctgttaca ttctagtaca   240
tgctcattga ctcatagtga gtccgaagta aaggaacaca catttatatc ccaaactaag   300
agttcttata aaaaattaac atcaaaagaa caaaagtaac acaatattta gtgattctta   360
tattaagcat tcaccaaata tagtgcaaga cttaaataaa agtagagagc atacaagttc   420
ctttaattgt aatttccaga atgggaatca agaacatcag acatgttcca ttttcagagc   480
aagaaacgg gcctctttag atataaataa agagaagcca ggagcctctc agaatgaggg    540
gaaaacaagt gataagaaag ttgttcagac tttttcacag aaaacaaaaa aggcaccttt   600
gaatttcaat tcagaaaaga tgagcagaag ttttcgatct tggaaacgta gaaagcatct   660
aaagcgatct agggacagca gccccctgaa agactctgga gcgtgtagaa tccatttaca   720
aggacagact ctgtctaatc ctagtctttg tgaagacccg tttaccttag atgagaagaa   780
aacggaattt agaaattcag ggccatttgc taaaaatgta tctttgagtg gtaaggaaaa   840
agataataaa acatcattcc cattacaaat aaagcaaaat tgttcatgga acataacact   900
aactaatgat aattttgtgg agcatattgt cacaggatct cagagtaaaa atgtgacttg   960
tcaggccact agtgtggtta gtgaaaaggg cagaggagta gctgttgagg cagaaaaaat  1020
aaatgaagtg ctgatacaaa atggttcaaa aaaccagaat gtttatatga aacaccatga  1080
catccatcca attaaccagt acctgcgaaa gcaatctcat gaacagacaa gcactattac  1140
caaacagaaa aatataatag agagacaaat gccctgtgaa gcagtcagta gttacataaa  1200
tagagactca aatgttacta tcaattgtga aaggataaag cttaatacag aggaaaataa  1260
```

```
accaagtcat tttcaggcat taggagatga tataagcaga actgtgatac ccagtgaagt    1320
acttccatca gctggagcat ttagcaaatc agaaggccag catgagaatt ttctaaatat    1380
ttctagacta caagaaaaaa caggtactta tacaacaaac aaaactaaaa ataatcatgt    1440
ttctgactta ggtttagtcc tctgtgattt tgaagatagt ttctatctgg atactcagtc    1500
agagaaaata atacaacaga tggcaactga aaatgccaaa ctaggagcaa aggacaccaa    1560
cctggcagca gggataatgc agaagagctt agtccaacag aactcaatga actcttttca    1620
gaaggagtgt cacattcctt ttcctgctga acagcaccct ctaggagcga ctaagataga    1680
tcatttggac cttaagactg taggtactat gaaacaaagc agtgattcac atggggttga    1740
tatcctgact ccagaaagcc cgattttcca ttctccaata ctattggagg aaaatggtct    1800
tttttttaaaa aagaatgaag tttctgttac tgattcacaa ttaaatagtt ttcttcaagg    1860
ttatcaaaca caagaaactg tgaaaccagt tatacttctg attcctcaaa agagaactcc    1920
cactggtgta gaaggagaat gtcttccagt tcctgaaaca agtttgaata tgagtgatag    1980
tttactattt gatagcttca gtgatgacta tctagtaaaa gaacaattac ctgatatgca    2040
aatgaaagaa cccctttcctt cagaagtaac atcaaaccat tttagtgatt ctctgtgtct    2100
acaagaagac ctaattaaaa aatcaaatgt aaatgagaat caagatccc accagcagtt    2160
gacttgttcc aatgatgaat ctattatatt ttcagaaatg gattctgttc agatggttga    2220
agctttggac aatgtggata tatttcctgt ccaagagaag aatcatactg tagtatctcc    2280
tagagcatta gaactaagtg atccagtact tgatgagcac caccaaggtg atcaagatgg    2340
aggagatcaa gatgaaaggg ctgaaaaatc aaaattaact gggaccaggc aaaatcattc    2400
attcatatgg tcaggggcat catttgatct aagtccagga ctgcaaagga ttttagataa    2460
agtatccagt cctctagaaa atgaaaagct aaaatcaatg actataaact tttccagttt    2520
gaatagaaaa aatacagagt aaatgaaga acaagaagtt atttcaaact tggagacaaa    2580
acaagtgcag ggaatttcat tttcttctaa taatgaagta aaaagcaaga ttgagatgct    2640
agaaaacaat gccaatcatg atgaaacctc atccctctta cctcgtaaag aaagtaatat    2700
agttgatgat aatggtctca ttcctcctac acccattcca acatctgctt ctaagctgac    2760
atttccaggg attcttgaaa cacctgtaaa cccttggaaa actaataatg ttttacaacc    2820
tggtgaaagt tatttatttg gctcaccttc agatattaaa aaccacgatt taagtccagg    2880
gagtagaaat gggttcaaag acaacagccc tattagtgac acaagctttt cacttcagtt    2940
atcacaggat ggattacagt taactccagc ctcaagcagt tcagaaagtt tgtccataat    3000
tgatgtagca agtgaccaaa atcttttcca aacattcatt aaggagtggc ggtgcaaaaa    3060
gcgatttttcc atctcactgg cttgtgaaaa gattagaagt ttgacatctt ctaaaactgc    3120
tactattggc agtaggttta agcaagctag ctcacctcag gaaattccta ttagagatga    3180
tggatttccc attaaaggtt gtgatgacac cttggtggtt ggactggcag tatgctgggg    3240
tggaagggat gcctattatt tttcactgca gaaggaacaa aagcattctg aaattagtgc    3300
cagtttggtt ccaccttctt tagatccaag cctgactttg aaagacagga tgtggtacct    3360
tcaatcttgc ttgcgaaagg aatctgataa agaatgttct gttgtcatct atgacttcat    3420
ccagagctat aaaattcttc ttctttcttg tggcatctcc ttggagcaaa gttatgaaga    3480
tcctaaggtg gcatgctggt tactagatcc agattctcag gagccgactc ttcatagcat    3540
agttaccagt ttctttcctc atgagcttcc actcctagaa gggatggaga ccagccaagg    3600
gattcaaagc ctggggctaa atgctggcag tgagcattct gggcgataca gagcatctgt    3660
ggagtccatt ctcatcttca actctatgaa tcagctcaac tctttgttgc agaaggaaaa    3720
ccttcaagat gtttttccgta aggtggaaat gccctctcag tactgcttgg ccttgctaga    3780
actaaatgga attggcttta gtactgcaga atgtgaaagt cagaaacata taatgcaagc    3840
caagctggat gcaattgaga cccaggccta tcaactagct ggccacagtt tttctttcac    3900
cagttcagat gacatcgctg aggttttatt tttggaattg aagttgcccc caaatagaga    3960
gatgaaaaac caaggcagca agaaaactct gggttctacc agaagaggga ttgacaatgg    4020
acgcaagcta aggctgggaa gacagttcag cactagtaag gacgtttttaa ataaattaaa    4080
ggcattacat cctttaccag gcttgatatt agaatggaga agaatcacta atgctattac    4140
caaagtggtc tttccccttc agcgggaaaa gtgtcttaat ccttttcttg gaatggaaag    4200
aatctatcct gtatcacagt cgcacactgc tacaggacga ataacctta cagaaccaaa    4260
tattcagaat gtgccaagag attttgaaat caaaatgcca acactagtag gagaaagccc    4320
accttctcaa gctgtaggca aaggcctact tcccatgggc agaggaaaat ataagaaggg    4380
tttcagcgtg aatcctagat gccaggcaca gatggaggag agagctgcag acagaggaat    4440
gccattttca attagcatgc gacatgcctt tgtgcctttc ccaggtggtt caatactggc    4500
tgctgactac tctcagcttg aactgaggat cttggctcat ttatcccatg atcgtcgtct    4560
cattcaagtg ttaaacactg gagctgatgt ttttcaggagc attgcagcag agtggaagat    4620
gattgagcca gagtctgttg gggatgatct gaggcagcag gcaaaacaga tttgctatgg    4680
```

1649

```
gatcatttat ggaatgggag ctaaatcttt gggagagcag atgggcatta aagaaaatga   4740
tgctgcatgc tatattgact ccttcaaatc cagatacaca gggattaatc aattcatgac   4800
agagacagtg aagaattgta aaagagacgg atttgttcag accattttgg gaaggcgtag   4860
atatttgcca ggaatcaaag acaacaaccc ttatcgtaaa gctcacgctg agcgtcaagc   4920
tatcaacaca atagtccaag gatcagcagc tgatattgtc aaaatagcca cagttaacat   4980
tcagaagcaa ttagagacct tccactcaac cttcaaatcc catggtcatc gagagggtat   5040
gctccaaagt gaccgaacag gattgtcacg aaagagaaaa ctgcaaggga tgttctagcc   5100
caatcatagg aggcttcttc atccttcaac tccatgatga actcctatat gaagtggcag   5160
aataagatgt tgttcaggta gctcaaattg tcaagaatga aatggaaagt gctgtaaaac   5220
tgtctgtgaa attgaaagtg aaagtgaaaa taggcgccag ctggggagag ctaaaggact   5280
ttgatgtgta actgggctgt tgatgaagtc ctcccaggga agcctgtgca gatgcagtca   5340
cctggaaaga acagagatta cccttcacc tacctcagca aaacaaactt tcaagtcttg    5400
atagacttag cctagtaatt ttatagtgag agtttcaaac tatatatcag tgtctatagc   5460
atcaaaaact tctgggggcg tggggggaagt agaataccaa gtataatagt tacattcact   5520
ttcaaagagc atctatgaat ttgccttttg taacttactg tggctttaaa catattcaga   5580
acagatgctt gaaatatgca cttagcactt tggttccaca tctgtctggg taaaccatga   5640
agaaaatgaa gctgctgcct caatcgaccc agacagcagc cataggcaga taaagatttg   5700
gtttcaccct ggtggtggta ggcatcgtgt gtgacttttt ttcctctaat atcaatttta   5760
cagtacggaa atagtatttt aaaatagtat tggctaataa attatgaatt ctataaagta   5820
gtaagacttg gtatggttgg agtgtaggaa tgaatattca tgaaatgttt cttattgctt   5880
ttccttccct aattcataca atgaatgtat ttggaatact tacatattat aaaataaact   5940
atacctcttc aagaggtatc ctgttctgta agatcagatg tttttattgc aggtcaatat   6000
aatactgcca gagacagaaa ataccccctt atcagtccct tagtgcctct ttctgtttgt   6060
ggcatggtga gaaaacccat gctgaaaaga ttgtactttg tgatcccaat cagagggatg   6120
gagctaatct ttttgttgtt gaaataaaat gaatttatga gaaactttaa a            6171
```

<210> 2826
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)...(448)
<223> similar to gi1490330 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2826
```
ggaagcataa gaatgaagat gataaccgag ccagtgagag caagaaaccc aaaacggagg    60
acaagaattc agcaggccat aagccatcca gcaacagaga gtcatctaag cagagtgctg    120
caaaagaaaa ggatttgttg ccttctcccg ctgggcctgt tccttcaaaa gatccaaaaa    180
cagagcatgg ctctcggaag aggactatta gtcagtcttc ttccttaaag tcaagcagta    240
acagcaacaa ggagacgagt ggcagcagca aaaacagttc ctccacatca aagcagaaga    300
agaccgaagg gaagacttcc agtagctcca aggaggttaa ggtaaaggct ccaagtagct    360
cctctaactg tcctccatct gcaccaactc ttgattcttc taagcctcgg agaacaaagc    420
ttgtctttga tgacagaaat tattcagcag accattattt acaagaagca aaaaagctaa    480
agcacaatgc agatgcattg tctgataggt ttgagaaagc tgtatactat cttgatgctg    540
tggtatcttt cattgaatg                                                  559
```

1650

```
<210> 2827
<211> 2285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(798)
<223> similar to gi488555 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 2827
cgccttgtaa agaaacgagt tgagtgtagg cagtgtggga aggccggcag gaaccagtca     60
acgctgaaga cgcacatgcg aagccacacg ggggagaaac cgtacgaatg cgatcactgt    120
ggtaaggcct tcagcatagg ctccaacctg aatgtgcaca ggcggatcca caccggggag    180
aagccctacg aatgccttgt ctgcgggggaa gccttcagcg accactcatc cctcaggagc    240
cacgtgaaaa ctcaccgggg agagaagctc tttgtgtcat ccgtgtggaa aaggctccag    300
tgagcgcgcc tgctttagag acacaggatg attcagaccg gaaacagacc tcgtgggtgt    360
aagaggaagc ctctgtgagc tcgcacctta ctgggtgcaa aagaatccac ggaacttggg    420
agaagtccag ttcctgtaaa aactgggaag acgaggcgtt ctcatcccat aggaggtttg    480
tgagaactca cgccgggggt gaaaatgtac gtctgtagca tggagaagcc ttcagggtac    540
attcagctct taacaaacac aggaggactt aatggcagct tggcatttaa tgtcaaaatc    600
caagccgtgg catttaatgt caaaatgact tcagaccact tctagccttc tgggcccatg    660
agtaataatg agcacactag ggagcatctc tgtaaacaca gtggctgggg aaacccttcc    720
tagtctcact tgattcctca tgacggaaat cacactaaag agagaaatca gtgaagtaag    780
gaacgtggaa ggtcatgaat gggccgcaaa ccacggccag ctgcttgtct ttgtatggct    840
tgccagctaa caatagtggt tccatcttta aggaagaaga atgtttgatg gagaaaattt    900
gtggccaatg aagtctgaaa tacttcctgt catctgcccc tttccagaaa aacttggccg    960
acccttggtc tacagcacgg gttctcagtc gggcgacgat ttggctgtgt aggcgtcatt   1020
tggcaatgtc tagagacatt tttggtagtt agaatggggg gaagatactc ctgacttgta   1080
ataagaagac atcagagatg ctgctaagtc ggctccagca cacaggagcc ccccacaacg   1140
aagagttagt gcccccaaac gtcactgttg ctgaggttga aaataatcat gcagtcattc   1200
ctcaattact gcctccagca attcctccat ttttatgaat cttgtgagca cttacgctag   1260
gagaaatttc ttttacaaaa cttttaaaat acagttagtg ctgataattc ctatgtggaa   1320
atgattccag ccatggtccc ctcacttgag catgtgaata ttctcacgga gagaagcccc   1380
agcgagattt tccggtgaat acgggattgc acttactctt tcatcacgga aacagacccc   1440
cgagagaagc cccaacgaga ttttccggtg aatacgggac tgcacgtact ctatcatcat   1500
gaaaacagag ccccgttcat aaattttcca tctttatttt taaggttata ctcctctaaa   1560
taacccttaa gcctcatcaa gaaaggtttg tttatagtat ttttactata gcttcatcct   1620
tgataacgtc ctaatttcct tctggacaac ctccttgacc aatggcatat tgagatctat   1680
gtgacatgag gatatttctc agtaccactt tgttactggt acctgatgca cacggattgc   1740
gaccagagca tgatgcctcc atcaagtggt aatatgtttg cagcctgctg tccagccaag   1800
agtgacagat acttctagtg acttccccgg tatccactct catcttcttc caatatcaag   1860
agaatccagg ttctgtcaga ttagtaaggt gtgctaatct aaattttaaa aaatctctta   1920
caggttttct tgcagctggt accatccatg tctcacagcc ctggccactg acagatcagc   1980
agatgtcacc acatgggctt ctgagaaagc tcttgaatgg ggatcgttct taaacatgaa   2040
ttcctccctg tatgttttgt tctttgcttt acttttcacc ttgcaaagag atccagtacc   2100
tagtattgga agatccacct taacgaccgt gcatatgaaa accacagtct aaggaagtga   2160
ctgcagaaag ctcacagcga ccctggcctc ccctgtggcc tctttgagtg tctgcagcag   2220
ccctggactt ccagacttct atcacatgag aaaaaataaa actgattatt ggtttaaaaa   2280
aaaaa                                                                2285
```

```
<210> 2828
<211> 3874
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3876)...(796)
<223> similar to gi3327170 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 2828
ttttttttt  ttctcattaa  caaagcagtc  aattcccttt  atttttaaaa  ttttatgtac     60
acatatgaat  gatctgtata  atgtacattc  aatatagaga  agctttatat  atgtgatagt    120
tgtagagaac  atttcagaat  gatactcatc  ttttacatga  catcttgaca  tccattttta    180
aatttgtttt  gcacaagctc  cttgtcattc  aatttggtaa  aagccagtta  tacatactaa    240
tgtgtactgt  gagcctttca  gaagggttaa  tgattgaggg  atgccagtga  agggtgcag     300
gggacaaaac  ctaataggtc  ttgggatggg  tggggggga   gggatgggcc  acggcaggac    360
tttggatgca  gggagagggg  gaaaatattc  tttccggggg  gggaaaaggt  gacttagccc    420
aatttttgtt  ggcctgtagc  cacaacccct  acagtccatg  cctagttcaa  aaaaaaaatt    480
ccaaaactag  gaagaaagtt  ttgtcttttt  gattcacagt  tttgtaaaca  gatataaagg    540
aacaaatgtg  cttacatccc  ccaagaaaaa  aaaaattctt  gtgtacccac  ttatgttgat    600
ccacagagtg  ctttcttata  atgtgataca  attaggatca  ctgacttttt  ttcctaaaaa    660
tatatttata  gaaaaaggaa  taacactgtc  atgaaaccag  gagaaaggca  gtaagagttt    720
gcttcaacgt  atcagctgga  ggaatgtgga  cttggcactg  gcctttcagc  gtttattgtc    780
tctcgtgaat  atttcaagtc  tgatagccaa  ggtcgcctgc  ctcatggtct  acaggaggtg    840
gcaggttaga  catgactgat  gtagatgtac  ctgcggtaag  gtagccagca  actccaggtc    900
ctgtgaggta  tcctgctgtt  tgtgactcag  aaatgaacaa  atcatgtttc  tgatctttga    960
aggcactcca  gactgaagaa  cggcacagga  tttcattcac  ctgttctcca  tactgcaaac   1020
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ggttttcaag  gccaatgcct  tcgagtaatt  ttaagaggta  tggaaccaaa  tctgctttca   1140
gggcttgtgc  tactaattca  ctctgctcct  tctgaaacat  tcgattaatt  gcttcacagg   1200
ctagaccaac  agtatctgct  cgctttttca  ttccattcat  cagtgggcca  atggtctcta   1260
aagatgccat  ggctcgaaca  cacagctcat  tttcagacaa  ggcatggata  acccgaatgg   1320
cactcttagg  aatggcattg  ttcctatgat  tcattgcctg  gataactttg  ggaagatggc   1380
ccaatggcgg  gacctgatct  gccagctgag  gttgtgcgct  gaagagacac  actgttgcca   1440
ttgtcaaggt  ttccagagtt  tctccatgag  gattgttctt  ctctaggagc  tcagttaatt   1500
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gctctagcat  catttcccta  actgttgtgg  acactttatc  tctggaatta  tcattccaaa   1740
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gacctatcag  tttatctgct  gtcattttgg  caaaaagttc  tgctgtttgg  gctcgaacct   1920
gtggatgtgt  tgaattgcag  aacatatcca  gtaaatggaa  tcaaagcacc  ctttgccatt   1980
gcttctttga  ttaatttttg  tactcggatg  tccaaagcat  aaagagtttc  ccagaaccaa   2040
gctgaccgac  ttgatggcaa  tgaatgtaga  agagccaata  aactggacaa  aacccattga   2100
ttcagcaata  ttgttgacac  agtcttggtt  agatgtcact  atattcacaa  cctcttaaag   2160
ccaacctgct  gtacttgacc  agctccatga  aacgcggaga  agagaaaata  tcaacttaaa   2220
```

```
gtgcccaatg cattcactct cagaacctgg attgtatttt atgacatttc tcagagcctc    2280
caaagccatt tctactctcg gtaagcgatc tccatgttgc tctgactcca cttttgccgc    2340
gtgtgtgatg gccatgaatg tgtgcaagta ttgggcctgc gagcctatat aatccaagag    2400
acttgcagca aatgcttttg gatcctccag ttggaaagta ggaacttcat tatacaccct    2460
aacaaaaatc tcccctacaa taagttattt ggcatgatca ctgtagacaa attctgatcc    2520
ataagttttg tcacaatcac ctttttttaat catgttttct tgttgggatt caagaaattc    2580
aagtaattct gctcttgtag aattgttcca tatcaaatat ggactttctg tgttgctgtt    2640
aagcatcttc aaaatctcag tcacactagc cacagcaagt tttctagcaa cataggggtgt    2700
cagcatgcca gctaagcttt tccttatggt tggattttct ggagttgctt gttcttcagc    2760
caaataccct ccaaggcgac tcagagcatg gacactcagt ttggcaaggc tgtttgctac    2820
ctcctgctgg tttgtttctt cacttttctg aatgccactc tcttctagtg tgtagtcata    2880
attaaacaga aaaccaagga gataccacaa aattccagcc tgaaataggt gtgtctgtag    2940
ccagaaatcc acagcaaaag aactgacaca ttctacccca agagcagcta cgcgggggaat    3000
actcttgcca aaatatagta cccgacagag atccttgatg atgctaggca tttccgtgat    3060
cttctctcgg cattcctcaa actgagcagc cacactgtag catttactta tgtatccaca    3120
cacctgtact gacatgtcac ttggtttact agaacgagtc aagacagcca cacagcgact    3180
aaatgcctct tgtaacacct ctagtccatt ctctcttctg agctcttcag cattgagggc    3240
tgaacagttg acagtatgga aagctagctc tgtagccgca ggcaacaatg gtgattcttt    3300
tgagaaaagg aggtcatctg aagtttccat tgttatagtc cgaataagca tggggtatcc    3360
tgcatattta taaggctgta aatcttcttt atgacggttg aagaggatgc tctgtgtttt    3420
tagaattaaa attatattct ctggatctgg cccatccact attttttgctg atttggtaca    3480
taaaaattca tatgctttat ttacttttttc aaacatgtcc ctcccttctg gattcttatc    3540
agggtggtac ttttgtgcaa gtctgaagta agctttccta atcttgctct catcatgcgg    3600
tccctgtcct tgaggcagat taagcacttc ataagcatca tctattgaca tcataggtgg    3660
cttcttttct acttctttct tccaggcatc aagggtatct tttagaagct taaccgggtc    3720
tttaattggc caatctggaa accggagtgt atcacacagt tgtttgaggt aataaatatt    3780
acaaaatagt tcattttcga gttgtggata gttgattata ggaatggggc aatactgata    3840
aagtgctctt gtgttactct gaagacgagg tgtg                                3874
```

```
        <210> 2829
        <211> 3050
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(1766)
        <223> similar to gi6014457 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 2829
gcggcggcgg cggtggcagc aactgcaacc ccaacctggc ggccgcgagc aacggcagca     60
gcagcagcag tagcagcagc agcagcagca gcagtagtag cagcagcagc agtagcagca    120
gcagctgcgg cccccctcccc gggaaacccg tgtactcaac cccgtcccca gtggaaaaca    180
cccctcagaa taatgagtgc aaaatggtgg atctgagggg ggccaaagtg gcttccttca    240
cggtggaggg ctgcgagctg atctgcctgc cccaggcttt cgacctgttc ctgaagcact    300
tggtgggggg cttgcatacg gtctacacca agctgaagcg gctggagatc acgccggtgg    360
tgtgcaatgt ggaacaagtt cgcatcctga ggggactggg cgccatccag ccaggagtga    420
accgctgcaa actcatctcc aggaaggact tcgagaccct ctacaatgac tgcaccaacg    480
caagttctag acctggaagg cctcctaaga ggactcaaag tgtcacctcc ccagagaact    540
```

```
ctcacatcat gccgcattct gtccctggtc tcatgtctcc tgggataatt ccaccaacag    600
gtctgacagc agccgctgca gcagctgctg ctgctaccaa tgcagctatt gctgaagcaa    660
tgaaggtgaa aaaaatcaaa ttagaagcca tgagcaacta tcatgccagt aataaccaac    720
atggagcaga ctctgaaaac ggggacatga attcaagtgt cggactggaa cttccttta    780
tgatgatgcc ccaccctcta attcctgtca gcctacctcc agcatctgtc accatggcaa    840
tgagccagat gaaccacctc agcaccattg caaatatggc agcagcagca caagttcaga    900
gtcccccatc cagagttgag acatcagtta ttaaggagcg tgttcctgat agcccctcac    960
ctgcccctc tctggaggag gggagaaggc ctggcagtca cccatcatca catcgcagca   1020
gcagcgtgtc cagctcccct gctcggactg agagctcttc tgacagaatc ccggtccatc   1080
agaatgggtt gtccatgaac cagatgctga tgggcttatc accaaatgta cttcctgggc   1140
ccaaagaggg agatttggcc ggtcatgaca tgggacatga gtcaaaaagg atgcatattg   1200
aaaaagatga gaccccgctt tctacaccaa ccgcaagaga cagccttgac aaactctctc   1260
taactgggca tggacaacca ctgcctccag gttttccatc tccttttctg tttcctgatg   1320
gactgtcttc catcgagact cttctgacta acatacaggg gctgttgaaa gttgccatag   1380
ataatgccag agctcaagag aaacaggtcc aactggaaaa aactgagctg aagatggatt   1440
ttttaaggga aagagaatta agggaaacac ttgagaagca gttggctatg gaacaaaaga   1500
attggagcca tagttcaaaa gaggctaaag aaaggagaag aaggcaaaga gaaaattgcc   1560
aggaagcact tgagtttgag acggaaacgg ccgtgaacaa gcagraacag acgctaagac   1620
aggcagcttc aacagatagt ctcagggtct taaatgactc tctgacccac agagatacga   1680
ggctgaacgc agtggcggct agaacagatg ctgaaaggac aatacaagat ggaagactgt   1740
atttgaaaac tactgtcatg tactgaatct ttcctgttga agaaatccat gttatagaaa   1800
agaactttgc agtcagacat tcgtcatggg aaagttcaga aaaaaataaa gtcctttaa   1860
gggaacttcc tgaattttgt gtattaatgt tctttaaaag tttaagtatt ctacaaaaaa   1920
aaaaaaaagt tttctccatt gattttcacc tgtggttcat accagagacc tgaggaatgt   1980
ttgtaaatgt acaagtatca aagttcttac agttaattac tggcaacttg ctgctggaca   2040
attgtataca gagttaaagg caggtctgaa taagacctag ctttgttttt ttctaatgga   2100
atgaaccatt ttcctcttct gaaaattctg tatctgagca catcaagaga ctcttgtagc   2160
agtggttacc cagacttacc agaattatgc ccccccaga aacccagcaa gaacacttgg   2220
aatgaacgaa tgaacttgta gggggggcata gaggattcct tgaaaaaaaa aaatgcaaga   2280
gtgattttct gttacattca atttcaaact ctctaattgt gggttttctc ctgaagaatt   2340
ttttttcaca tactttccaa aagaccaaca aatggatgtt gacaacaacc caatgaaata   2400
acattttgca tatctgaaaa gaagcattga atataagcca aaagctttca ctgaaggttt   2460
tttttttctta aaaataaaaa aaaatatata aatgtaacat gttttcattc caaactggta   2520
gtggtatata gaattaaaga taataatgtt gcttcttatt caaactgttg gtcatatgta   2580
cagtatataa acataaaaca cacaaggaag gtattatgta tgcagtagta tactagagtt   2640
taggaaaatg aaaatttttag aaaatatgtt ttgtcaccct gttggtcaga aagatgtctt   2700
tctggtttta acgcatgcag gcatgtaaat atttgtctgg agtcacagta ttaatgaatg   2760
agatcttaag catctggtga catcagaact ctgtgtcagc cacttttatt tgtatattga   2820
accctagcta gtgccccaag ctgcactatt gggaatggat tgtggctgaa cagcaaatca   2880
aaacaccaga aatatttta tatgttaacg tcatattatg ttaatgttgc tgaaaacaaa   2940
acctaacaaa ccttgatgta ccagtccaat accatgtagc gctgagtgat aaagttaaaa   3000
tgtgctgtgc ttcccaccct tgtcagaggg agggtggctt gtgttatttt               3050
```

<210> 2830
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1302)...(1012)
<223> similar to gi1872200 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

1654

```
        <400> 2830
        ggctgtctat cagtggataa ggtggggggct gtctatcagg ggagaaggtg ggggctgtct        60
        atcagtggag aaggtggggg ctgtctgtca gtggagatgg tgggggctgt ctgtcagtgg       120
        agatggtggg ggctgtctgt cggtggagat ggtggggggct gtctgtcggt gtagatggtg       180
        ggggctgtct gtcggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt        240
        ctgtcggtgg agaaggtgga agcttgtact cagagcaggg gatatttaga cttgaagggg        300
        ccagggagga aggtactggt tctactaagc cccatgttca ctgggcagcc actaagttag        360
        ggaccgtgtg tgtaccgagt ggattccgac aaagaagctg tctcaggagc cccagccagc        420
        tgcagagggg ggcccaagct ccaaggctgg gtgtcaggtt tgccaggtgc tggctccgct        480
        aggggccgca ggctgcgctg ggcgggactg ggctgggctg gtacctgtgc ccggtgtcag        540
        gccagctgta gttgcagcgg tcagctgccg ctctctggcc ccatgcgaac tgctgtgcca        600
        ggtgcaccct gggggaccag gctgcctggg cttcctggaa ctggtgaagc tgccgccact        660
        tcctctatgc tgtctccagc aggcaattct gggtaaacga tcttcatttg cctataaagc        720
        tgcacagctc acaggccttg gaccgtttct gccccagccc cagcattggc cctttggaca        780
        gactctgaaa ccgtgcgcag aacgcaccct gtcattacaa atgactcctg gaggcagtcc        840
        ccggggggcct ggcaggagca cctgtgtttc tgtggggtct gaaaatgaca gaccaatcgc        900
        ttgaacccgg gaggcggaag ttgcagtgag ccgagatcga gacattgccc tccagcctgg        960
        gcaacaagag caaaactcca tctcaaaaaa aagaaaaaag tgccgagtgg agtcgtcacg       1020
        cccgtaatcc tagcactttg ggaggcagag gtgggcggat cacctgaggt cgggagttcg       1080
        agaccagcct gaccaacatg gagaaacccc atctctacta aaaacacaaa aattagccgg       1140
        gcgtgtgcat gcctgtaatc ccacctactc aggaggctga gggaggagaa tcgcttgaaa       1200
        ccggggagccg gaggttgcag tgagccgaga tcgtgccatt gcactccagc ctgggcaaca       1260
        agagcaaaaa ctccatctca aaaaaaaaaa ggagagagag aaaccgggac cgcaag          1316
```

```
        <210> 2831
        <211> 1296
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (89)...(1232)
        <223> similar to gi178997 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
        <400> 2831
        aattcccaga caacgacagc tgatcaacta cttgaatttt ttaaacaagt tggagaagtg        60
        aagtttgtgc ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt       120
        gcagaccaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg       180
        ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag        240
        gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc        300
        tcagcagcta ttgaaccagg gtggctgcac tcaacgagtt tatgcaatga ctttcttgga        360
        tgtttctgaa ggaggaggat gtacagagag taggcccctt gcactatatg tggtacattc        420
        cacttgtgcc tgattattaa ctgggatctt taattgttct gagcttacac tgcaaagtga        480
        ttttttcctc ccagagtctg gaaagagcaa tgaaagaaaa ggcggtcgat ctcgttccca        540
        tactcgctca aaatccaggt ctagctcaaa atcccattct agaaggaaaa gatcacaatc        600
```

```
aaaacacagg agtagatccc ataatagatc acgttcaaga cagaaagaca gacgtagatc    660
taagagccca cataaaaaac gctctaaatc aagggagaga cggaagtcaa ggagtcgttc    720
gcattcacgg gacaagagaa aagacactcg agaaagatc aaggaaaagg aaagagtgaa      780
agagaaagac agggaaaagg agagagagag ggaaaaggaa cgtgaaaaag aaaaggaacg    840
gggtaaaaac aaagaccggg acaaggaacg ggaaaaggac cgggaaaaag acaaggaaaa    900
ggacagagag agagaacggg aaaaagagca tgagaaggat cgagacaaag agaaggaaaa    960
ggaacaggac aaagaaaagg aacgagaaaa agacagatcc aaagagatag atgaaaaaag   1020
aaagaaggat aaaaaatcca gaacaccacc caggagttac aatgcatcgc gaagatctcg   1080
tagttccagc agggaaaggc gtaggaggag gagcaggagt tcttccagat cgccaagaac   1140
atcaaaaacc ataaaaagga aatcttctag atctccgtcc cccaggagca gaaataagaa   1200
ggataaaaag agagaaaaag aaagggacca catcagtgaa agaagagaga gagaacgttc   1260
aacgtctatg agaaagagtt ctaatgatag agatgg                            1296




        <210> 2832
        <211> 1205
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (393)...(6)
        <223> similar to gi3859492 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 2832
agctactgca gagtaagaac atgtcctcat ctcgagcagg ctaaacatgg ccacatcagc     60
gtggtctacc cgggaaatgt tatataagac atcatgatcg ggtgcctgtg atgaagggta    120
cagactacaa ggcagtagat aagcttactt gtcaaggaaa cagccagcgg tatgggccag    180
aaccccggtg tgtggagcgc cactgttcca cctttcagat gcccaaagat gtcatcatat    240
cccccccacaa ctgtggcaag cagcctgcca aatttgggac gatctgctat gtaagttgcc    300
gccaagggtt cattttatct ggagtcaaag aaatgctgag atgtaccact tctggaaaat    360
ggaatgtcgg agttcaggca gctgtgtgta aagacgtgga ggctcctcaa atcaactgtc    420
ctaaggacat agaggctaag actctggaac agcaagattc tgccaatgtt acctgggcag    480
attccaacag ctaaagacaa ctctggtgaa aaggtgtcag tccacgttca tccagctttc    540
accccacctt accttttccc aattggagat gttgctatcg tatacacggc aactgaccta    600
tccggcaacc aggccagctg cattttccat atcaaggtta ttgatgcaga accacctgtc    660
atagactggt gcagatctcc acctcccgtc caggtctcgg agaaggtaca tgccgcaagc    720
tgggatgagc ctcagttctc agacaactca ggggctgaat tggtcattac cagaagtcat    780
acacaaggag acctttttccc tcaaggggag actatagtac agtatacagc cactgacccc    840
tcaggcaata acaggacatg tgatatccat attgtcataa aaggttctcc ctgtgaaatt    900
ccattcacac ctgtaaatgg ggattttata tgcactccag ataatactgg agtcaactgt    960
acattaactt gcttggaggg ctatgatttc acagaagggt ctactgacaa gtattattgt   1020
gcttatgaag atggcgtctg gaaaccaaca tataccactg aatggccaga ctgtgccaaa   1080
aaacgttttg caaaccacgg gttcaagtcc tttgagatgt tctacaaagc agctcgttgt   1140
gatgacacag atctgatgaa gaagtttttct gaagcatttg agacgaccct ggggaaaaat   1200
ggtcc                                                             1205
```

<210> 2833
<211> 4650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4651)...(1400)
<223> similar to gi2058326 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2833
tttttttttt ttacagataa atttgttttt aataaaggag ttaattttct ttcaatccta   60
tataaaacaa tagcaattaa aaacttcatt tctgaaagta aaatatttac atatgaacaa   120
gtaaactgtg caaaatttac atgaaaaaat gggaaaggac caggggtttc cctaaaaggc   180
caaaataaaa aggtgtaacc agttcctcag gtgttgataa aaaatactga tccagcgttc   240
cagttcacac gcggctcgga tttaaggtct aatgtgagaa ttcacacgga gaaagccaga   300
gtatttacag tcataaaagt actatcaata gacaatttca tacaataacc tctgaaaata   360
gaaagaacca attagtatat ttgtaataaa aaaataggta caaagaaggg gctttgctct   420
ggacgtctgt aaagtcggcc caaggcttgc atacagtctc ttagcaaaat aattatagtt   480
tacatagcca tttctatgtc atgtgccaaa agttatgtac aattactgac aaaatacacc   540
aaccattttt caacacttga ttcacaccga gaaacagtct tttgatgatt cttctcaact   600
ttgattttat ttaatctagg ttttcacttt tagctaaaaa acacagtgca agtaaaatat   660
atttatgctg aaaaggtttt catctctttt aactttacag ctttacaaac tatagcaaat   720
aaaatgcatt tgtacagatg ctgaccacac attcagaagg agccaccttt gctgggctcg   780
gcctctacca agcagaaatg cgattacact ctgaggtggg ggtgcaacga tgaattgtgt   840
attcctccag gattctcagc ggagtggagg ggaagggagg ggaggggagg gcaggggcca   900
gagaggagag cggggtggga ggggaaggga aggaagataa atagtcctaa aaaatcagtt   960
tgctttgccc aactgactat tacaaaaata aaataaacga aatgaggtca tcggctgtag   1020
acatacacct acatagtaag ttaggtagaa ctaaaccaaa atgcacaaat aatgcagaaa   1080
ctgctatgag ttgacaagag ggcagctaat tatttgctaa cgattccatc agtctttata   1140
tatggcttgt ttggcaggaa ggccactcaa tcaagatgag ttaagattta attgtccttt   1200
aagagtatcc acaggccttt gtgttctctc tgttacagaa acgtgttttc tttcacactg   1260
aagagctgat ttagaaacag gaatataaaa ctgttccatt gtaaagaggt ggctgttttt   1320
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ccaggcgtcc tcctgtgtca cttaaggaat gctttgtaga gcagcagtga atggcttgtc   1440
tcacgttcat tttctaaaca aaatatgagg tccctgaggt tgacccgcgt gattctttgt   1500
cgcgtgaact gtctgggggt tccgacaccc gagctgcctg ggaccactga gccggggccc   1560
gacccctctg ctcctgagcc cggccccgga cagtccactt tcctcttttt cctgggcccg   1620
atcgctgcta gtgctgtgag gttggcgtcc cgctgtctca tttgtgccag ttcctgttgc   1680
tgcatctcct ttgccttctg tttcagcctt aactgttctg gatcttcttg tcttgaccga   1740
gactttgctg ccctcatcag gatctcccgc tcctgctcat ccttcctctg cttttcgatt   1800
tgatcaagct gttcaaaaaa cttgagctgt gcccggacgt cactcgcctg ctcatatctg   1860
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gttataccat gttttttttac ctatttttaa tattcttctc tgcaaaggcg cttggaggag   2040
gaaggtttca tctttacagg accgcgttag cgtgcccacc aattcagagt tcgtggctaa   2100
tattcttgca ctttcttctg acaagtttac tccagccatc gatgcaacat cattaatgtc   2160
atcatcgtcc cgaaacgaac ctcccccagg ctccttgagt ttatttttct gtgcagcagc   2220
tgcttgtgcc gagacagcag aaagggcttt ggttccaggt aacacggcgg gtttcaccac   2280
agggactggc tgcagtgggt tcagctggat ctgctgaggc gtggtgagca tgatccggtt   2340
gtgaggctgc cgcagggcga ccatgggtgt ctgcgtcaac gtcacctgcg ggggccggat   2400
caggggctcct ggcttcggag gctgctggat gaccagcggt gtgggttgcc cctgcttgcc   2460

```
gacgccgacc tgcgtgggct gcgtgaggct gagcacaggg ggctggaggg cactggtcac   2520
ggtggccgcc gtcttcccgg ccgtgcgctg gaccgagcta ctcagcacca cggccgtgag   2580
cgcagtggtg gcctgcgagg tgggcggtgg cggctgctgc tggctctgct ggatgaaggc   2640
cgcggagtcg ggggtcagct gtctcaaggc gggtaagctc ctcttcagga aaggcacaag   2700
gtaaggttga ggtgaagaat taagttctcg gtataacctg cttgtgaaat cttctgcttc   2760
tatttttcca tccagtaaat tctgcacgag ctctttcaca ttagctgctg tctctgtaga   2820
ctgcttgcca gatgaagcca gttttattaa cgtagatcgg aaattttac atttcttcac    2880
gttttccata gtttccctgg caactgagga agtggtggtc gccctggta ccgtgcgctg    2940
aggagtcccc gtctgaacag ccggcgccgt tccaagttaa gccgtcttgg cagcgcaacc   3000
cagaacgagc tgaggctgag aaccgggcga gcgcttcagt gttgcgctgg gctgcaccgt   3060
tgtctgggcc tgagacactc gcgatattat gttagttggg gtgcaccgcc gtgtaatgat   3120
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gggcagctgg aagttctgga tgttggtcgg gttctgaggc ggctgcggca agcggggggc   3360
cagcacggtg ggcgtcaggg tggcccgaat cccgctggtg gtggccgtgg gcgtccggga   3420
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gggcggcggg acggcggccg ggctgggcag cgcccccttgc atagttggcc cgatgaccat   3540
gctggccgcc gtgctggccg ggccgctggc cgccagggtc tgcgccgccg ggggcgccgc   3600
ctgcaccacc ctcttgggcg actcggcctt gaccccggc gccggcgccg cagccgccgc    3660
gccgggcccg ggttggccgc tgaccccgc ggggcccccg gcggccgggg cggggcggg     3720
ggctgcccg gcgctgcccc cgttctgggc ggcggcgggg ggcggcacgg cgagcgcggc    3780
ggtcgggggt ccggcgggt ggccgggcgg ccgggccaga gtggcgggcg cggggggtgg    3840
cggggggcggg gcggcggcgg gggcggcggg cgcggggggcg gcgggggggcg agggcgcggc   3900
gggcgcgggg ggcgcggcgg cgcccacgaa ggggggcgtc tggatgacag tgccgggggc    3960
ggcgggcttg ggcagcggca gcagcgcggc gggcccgttg ttgaccaggc tgacagcagg    4020
tgcggcggcg tggtgcgagt tcagcagcgc ggcgctccca ttcaaagttt gcgcggcgcc    4080
ggggccggcg ggcttgccag ggccggggcc ggggccgggg ccgggcccgg ggccggggcc    4140
ggcgcgggcg gccagcgcgg cggggccggc gggcttggcg gggccggcgg gggcgggctc    4200
gggccccgcg gcgacggcgg cggcggcggg caccggggcg caggcccccg cgctgccctc    4260
gggcggcggc ctcagcttcg cggcgggcgg cgcgggccct gcggggacaa ggggcggcg     4320
cggtgagggg gggcccgggc gctgcggccc cccgccccc ggccgcgctc tacctgcggg     4380
gggcggctcc ggcgccgctc cgggcgcgcc ctcggcgggg gcggccggcc ctgcgcccgc    4440
ggctccggcc gggctgccgc tcacaacatg gttcccgagc gcgccggcgg ccgcggcccg    4500
cacctcgggc gtgcgcggcg cgaggtggtg gtggtgggcc gcgctggccg ccagctgcga    4560
ctccagcgag cccaccaggt cgctcaccac tttctcgtcc acctcgctgt tgaagaagac    4620
ctcgtccagc agatccgagc ccgccgccat                                      4650
```

```
ttttttgaaa  ttttaaagct  gggtgtccag  ggcagacatc  acatgttggc  aggttctgtg        60
atgccccctg  agccataaaa  ccagcaaatt  ttttattagt  gattttcaaa  aggggaggga       120
gtgtacaaat  agggtatggg  tcacagagat  cccatgcttc  acaaggtaat  aagatatcac       180
aaggtaaatg  gaggcagggc  gagatcacag  gaccacagga  ctgggggtgaa attaaaattg       240
ctaatgaagt  ttcgggcatg  cattgtcatt  gataacatct  tatcaggaga  cagggtttga       300
gagcagacaa  ctggtctgac  caaaatttat  taggcaggaa  tttcctcgtc  ctaataagcc       360
tgggagcact  ctgggaaact  ggggcttatt  tcatccccac  agctgcgacc  ataaaagaca       420
gctgccctga  agcagccatt  tcagaggcct  accctcaggg  atgcattctc  tttctcaggg       480
atgttccttg  ctgagaaaaa  gaattcagtg  atatttctcc  catttgcttt  tgaaagaaga       540
gaaatatggc  tctgttccgt  ccagctcacc  ggcagtcaga  gtttaaggtt  atctctcttg       600
ttccgtgaac  atcactgtta  tcctgttctt  ttttcaaggt  gcccagattt  catattgttc       660
aaacacaaat  gctctacaat  ttgtgcagtt  aacacaatca  tcacagggtc  ctgaggcgac       720
atacatcctc  ctcagtttac  gaagatgacg  ggattaagag  attaaagtaa  agacaggcat       780
aggaaatcac  aagggtattg  attggggaac  taataaatgt  ccatgaaatc  ttcacaattt       840
atgttcttct  gccatggctt  cagctggtcc  ctccggggtc  cctgacttcc  cgcaacatct       900
ctcccttct   ttttataata  aatgtgccat  ggcaatgaag  gcttgttcgt  tctcttgatt       960
ttgacgcagg  attctttgac  tagtctggca  aactaaaaac  aagccgatta  aacagagaaa      1020
cataattcca  aaatttacta  cagtggagcc  cccaatagac  ttaatccaag  tcctggggtt      1080
taatccagaa  agattttctg  ccacctgatc  taacgcctca  gctccaggca  caatggataa      1140
gtgagcttga  gaggcttcaa  aaatttgtct  ctttaattta  gttatgtcca  gtgataaatt      1200
atcttcccta  cccagaagat  gtcttttgac  catttcccat  gaatgatcag  tctcgttata      1260
ggaatacggg  gtgatgcaga  aatctcaagt  gttccaatcg  tactgcattt  gcatgtgatg      1320
ctcgagactc  actacctgat  ctccaagcca  aataacagac  tgtcttaaat  cattaatttg      1380
attagcttgt  gtccatccct  taagggcact  gagtttccct  gggctgcggg  taggtccaga      1440
gattctgtcc  aggagccagg  gcctggagtt  ggaaacctta  ggaataatcc  tggtgctctg      1500
ttttactgtg  gctgagctgg  cacccaagct  acaagacagc  atccttccca  ttcttccctc      1560
cccttttcc   agggcagatg  attctttccg  tgttccacca  ctaccacagg  cccacaagga      1620
gttctgtcag  ggtaccacaa  atatttactt  aaggcccaag  ggctcttcag  tcagcttgtg      1680
ttgaatactg  ccaggcctgg                                                      1700
```

```
<210> 2835
<211> 2265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2266)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2265)...(312)
<223> similar to gi3135968 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2835
ttttttttca  tgatatacaa  atattatttt  attagatgcc  aaaactttta  ttaacatcac        60
tttatttcta  tttgcagctt  ttaattattt  aacatttata  acattttact  gtgtctcctc       120
tgggtgacta  aatatcttca  catgcccact  agctaaaaag  aatttctaag  tagaactcaa       180
```

```
ctgaaactgc aagctactgc tctaagaaat gcatacttat gtttatttgc tctcctatat    240
aatcctgttt acaaatagca taactgcaaa gatttatatg taatttctaa atccttcagg    300
ttgctctacc attcatcttc ttatgtctgg caagataaac actcttagtg aacactttgc    360
tgcatctctt aaatgagatt tgtctccagt ttatttccta tagaataagg gatgcacttg    420
gaactgaaaa attccttcaa tttctaaagt ttccacattc atacaacttt tctcctgtag    480
gagtttgcag gagattccta ttgcctatag tctttcccac atttgctaca tgtacacaga    540
tttttcctag tgtgagtata cttaggtcaa ttaagggatt aatactgaca aaggctttcc    600
cacatttatt gacttcatat gatttctcta cagtataaac tctaataaaa aaatctgcat    660
cattgctaaa agtctcccat gttcaccacc ttcatacaac ttttccccag tatacatttt    720
tctgatgtta aataagggag gatctatgaa tgaagtttac cgtgataaac actgcttctc    780
ttctgtaaga tttctcacat gtatagggat tcatatgatc taaaggcttt tccacactta    840
ccacactatt gggtttctct ccattatgta ctctttgatg ggcagtaaga ttcgagcctt    900
tgctaaaagc tttcccacac tcactacatt tatatggctt ttctccagta tgaattctct    960
gatgtacagt aaggtttgaa ctacagctga aggtcttccc acatttaata cattcgtaag   1020
gtttctctcc agtatgaata ctgtgatgtt gaagcaggga cgacctatga ctaaaggctt   1080
tcccacatat actgcattcg tagggtttca atctaatgtg atttctcaaa tgcatattca   1140
gtgattcaag ctggttgaag gatttcctgc atttctaaac ttcaaacggt ttttcttcag   1200
tatgaatact ctgatgttga acaagaaatg agaagctact aaagcccttg agacatttgt   1260
tgcattcata ttttttcttc atactgtgaa ttctttgatg ttgagtaagg tgtgagctac   1320
agcagaaagc tttcccacat tctctacatt cataaggctt ctctccagta tggctttttct   1380
gatggtgaat gagagacgaa ctatgaatga aggcctttcc acatatacga cactcatagc   1440
gtttttcttg cgtatgaatt cttagatgct gaatgagaag ggacacacga ctaaaagact   1500
ttccacagtt catacattca tacggtttct ctcccgtgtg agtgctctga tggttagtaa   1560
gtgatgagcc atggctaaag gccttcccac attcaatgca tttgtaaggt ttctctccac   1620
tatggcttat ctgatgtcgt gtaagggatg aaccatggct aaaagtcttc ccacattcac   1680
gacattcata gggcttctct cctgtatgaa ttctccagtg gcgactgagg attgactgtt   1740
tgccaaaggc tttcccacat tcactgcatg tatagatttt ctctctatta caagtctggg   1800
gaagggtaag agatttgctc tggttgaagg ctgccccact tttattagaa tttaaaagtt   1860
tctttccacc atttattctc tcactttta taactgactt ttttgataaa ttcttcttta   1920
atatatcata tttgtgtgaa ttcccttcag cagaattgtt ttgtggttca gaaagagtag   1980
actttgaatg aaaggtgctt ctaaatgtgt cgcattctgt atattccaaa ttcttattag   2040
aatttgaaaa ttcataactt tgttttacaa cttttttccat tgttactggg ttggggtgaa   2100
tcttcatcat aaatatcctt ctttgttgat aattccttgt tttcccatct tgattcccaa   2160
tcttttgaca gttttttctc catcatccag ggctctttc catcctcnaa taacatgatc   2220
acatatggct tagttacggg aaagacctac aggagaccag gttct              2265
```

<210> 2836
<211> 2486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2487)...(1429)
<223> similar to gi191175 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2836
```
tttttttttt ttaaacaaaa ctttattggt aatagttttc aaatatgttt acaacagcac     60
actgttcaag aggaagtctc gtccttcgca gcacacaggt tgaatcgccc ccgcacccac    120
```

```
ccggggcccc accccaggcc tgagaactcc tcctgggatg gggagaagtt atgagagggg      180
gaaatacggg gatgaatggg gtggctcccc agcggctccc cacttttcta ttacgagaga      240
aaaaagcaca aatgagaaag tgggggagag gtgatggaca gctgacagct aagctggagg      300
aggggcgccc aggatggggg aggcggaagc tggtgggtga gtaaaacagg cagcccctcc      360
ccagcagctc tagccttgaa ccccgggccg tggcttgggg ggacttggcc tcttctgttc      420
cctttgcag ggatgccctc cccactcagc tgagggaagg ctggacgtta aaatctagcg       480
gagaataaaa ttaaggagtt ggggggaaac gctgctggga ggaaagactt gggcttgggg      540
ctcccctct gtcttttgg gggatgactc ctctttggca gggagagggg cagctgcttt        600
gtctggcttt caaagcccaa gggtgaagac aggtctgttg gggaaaaaga gagcggaggc      660
ttcctaaagg ggcctagacc ctcgcaggat tggcagagag gattccccgg ggaggggccc      720
agggagatt agcagcgggg aggttcaaac cccagcgcct ccctttccaa agtcagtctg       780
cttctcttta aaatggattt gaggaatggg gggacatggg aggggtggga gtagaggaag      840
gagggaggga ggcactggtg gaacttaaat aagattttaa attgttgttt ttttaaaaaa      900
attctagcaa gcaacccact gaacatgtca ctaaaaatct ctccttccca ggcaggatta      960
ctccgaaagg aaggttggcg cttcgttcat ttgcccttag caagtggggc ctgtggttgg     1020
gtgggatggg ggtgtgggtg ggggctggag ttaagcgtga gcccctcttt ccataccctg     1080
tccctggata caccagcaag acctggtctg actggagttg agaaactcgt ttaaaacagg     1140
cagaagtggg ctgggagggc tgaggggctg gggggctgtg gggaaagaga aagggaaaag     1200
tgggagaggg ggcaggaggg tgaaggggat gaggggagc agctggtgtt tctgtccctc      1260
tgattatctg ggcttcctgc tcccctacc cctggagggt ggggtggggg tgaaattaga      1320
tgcaaggaac tctggggccc tctggctgtt caatccaacc ctcccacccc cccgaccaaa     1380
aaaaagaaaa aagaaaaaag aaaacccatg ggggcacagg catgcccta aaactcagaa       1440
aactccttgc ccaaacttct cattgatgga aaacccggat ttcttcttcc tcatagtcgt     1500
caaagttaac tcgtatcccc agggccttta aactttggta tgaagggagc ttccaccttc     1560
ctctggtaga tggcaatcca gtcagttgtg gcaaaccact tgtggttctt gatatcgttg     1620
accccattct tgaggttccc aaagcgcttg gtgagatcta cctgcaggag gttccgcagc     1680
aggtccttca agtcagagct gaagtgggaa gggaagcgca ccttcccaga gacgatcttc     1740
tcatagatct ggatgggctg gtctgcgaag aagggcgggt agccagcggc catttcatag     1800
ataagaaccc ccagggccca ccagtccacg gccttgttgt agcctttgct caggataatc     1860
tcaggggcca ggtactcagg ggtgccgcac aaggtccaag tgcggccctt cacgcgcttg     1920
gcgaaaccga agtctgtcac ctgaatgtag ccctgctggt caatgagcag attctccggc     1980
ttcaggtccc tgtagatgag atccagcgag tgcagatact caaaggtcag gacgatctgg     2040
gccgcgtaga aacgggcatg gggctcactg aaccttccga tccgccgtag gtgtgagaac     2100
atctccccgc cgggcacgta ctccatgacc atgtataagt ttgagttgtc cttgaaggag     2160
aactcgagtt tgacgaggaa cggaaagttg acagcttgca ggatgcgctt ttcattcagg     2220
gtgtgttcga tctgtttcag tttccccacc ttctgttagt cgaggatctt catggcatag     2280
tggttcccgg tctccttgtg tttcaccagc atcacccgcc cgaaggagcc cgtgccgagg     2340
gtcttgattc gttcaaactg atccaagtgg gctgtgttct gagcgggact ttcccatttt     2400
ttaagaaaat cttctttggc tttggctaag aattctttca cgctctcctg ctcgctgccc     2460
ttcttggcgg cggcggcgtt gcccat                                          2486
```

<210> 2837
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (712)...(668)
<223> similar to gi2723316 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2837

```
tttttaagat ttctcagcag tatgattat tttatgttta gaaaagtttg aaggtgttgt      60
caaaatcatt gtcacatctt tcaggtttgt aaagtttcca gtattaattt tcttatgttt     120
agtaaagttt gagatttagt tacaagcatt gccacattct tcacatttgc agggtttctc     180
tcaaatatga attgtcttat gtggagtaag ggttgatgat aggttagctt tgccacattc     240
ttcacatttg tagggtttct ctccagtacg attttcttta tgtgcagtaa ggtttgagga     300
tgagttaaaa gctttgccac attcttcaca tttgtagagt ttctctccag tatgaattat     360
attatgtata gcaaggtgtg agaactgttt aaaagcttta ccacattctt tacatttgta     420
cagtttctct ccagtatgaa ttaccttatg tttagtaagc gttgaggaca ggttaaaggc     480
cttgtcacat tcttcacatt tgtaggattt ctctcctgta tgaatttttt tatggtctgt     540
aaggtttgaa gatcggttaa aaactttgcc acattcttca catttgtagc atttctctcc     600
agtgtgaatt atcttatatg tagaaagggt tgaagactgg ctaaaagctt tagcacattt     660
ttcacatttg gtagggttct ctcctgtatg aattttctta tgtgtagtaa gttt          714
```

<210> 2838
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (355)...(134)
<223> similar to gi5069468 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2838

```
agtaaatata gctcttcata attttgttct gaagtttaaa aatatatata tttttgaatg      60
gataactttc ttttctaaa tgcttacagt agagcccacg atggttgtta aaagcccccca    120
ggttcagcct tctttaattg tgtggtcagc ctgccatcaa cccaggggct ccctctgctc     180
ggcactgtnc tgctctagtg aatacctttt ttattctggt gtgacctaat atggccggta     240
aggcggtcac ttctcataga gcgttgtgaa cattctggac aaacaaattt cttctcaccc     300
tgtatgcgct cttctgtgcc tctgtaattc atcacttcga gtaaatcttt tacc           354
```

<210> 2839
<211> 378
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> (2)...(294)
<223> similar to gi3132823 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 2839
aagaaagcat aaaaaaggga cacttggaag aaattcaaaa gaaaagaacc tgctgagcag      60
tcaaattcca gaaggccatt actggtgcat ctcttgctaa tatagtggcc aagaggaatg     120
agaaacatga agttaaaaag gctcaatgaa aacaagctag cagggctgct aaggaagcaa     180
aaaaggctaa gctagcatct gaaaagaccg caatggctgc tgctaaggca gcatctacac     240
aaaagatggt gaagcctgtg aaagtgtcag ctccccgagg tggttcaaaa caccaagttg     300
gcagatcaga ttcttaaaga ttggactgta gaaaaatata aattatatta cctaacattt     360
gaataacgta ttttagtt                                                    378




      <210> 2840
      <211> 308
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (10)...(277)
      <223> similar to gi2072966 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 2840
cacctattca cctataaagg aaattacatc agattaacag ctgacttctc agcagaaacc      60
ttacagacca gaagaaaatg agatgatata ttgaatgtgc taaagaaaaa cattgccagc     120
aagattaatc ttcataaagg aagacaaaat aaattctttc ccaaacaagc aaatattgag     180
gggagtcatt gctattagac tggtttttaca agaaatgctc aagggagtcc taaacttgga     240
agcaaaagga caacattaac catcataaaa acacatgaca gtataaaact cattggcaaa     300
gtaatcac                                                               308




      <210> 2841
      <211> 1277
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1260)...(736)
      <223> similar to gi6007542 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




                              1663
```

```
        <400> 2841
ttttttcaaa ccatcacttg tttataaacg cgtttccgat ctgccatcgt aattccattt      60
tagtcatgca tcccgagatc attcaaacca cacccaagag agactggacg acagcactca     120
ctagggtgct atttataacc atacaatgca ggaggctagc tgcgtgtcga tctgggggac     180
agtttaataa actgccacac aacacagctg agctccacac agccacatga ggatggggac     240
agccattcct tgggtttctg aataacgtat caagtgagca gtgaatttca atcaagcttg     300
tacatcagga ccgtcttgcc aaaacaacag ttgctttttgg ctgctggaag ctgtagcttt     360
tcaaaacgtt cacacatttc aatgtatcgt cgatgttttt aaatagactt acagggaggg     420
tggcacacag caaaggcccg caggccctcg tagcaccgca gtccaggtag gatgctgggc     480
ggcggggggt ggtggagggg gttctattta cagtgtctgg gctttgactc cactaactgt     540
tggtttttgtt ttctttctta aaccttttcc ttcaagtctg gaagcctgtg gagggcctgt     600
caccttaaag gcaaggattc cttgtttgca ccaggcagac aaatgtcaaa ccacgacccc     660
aggggctgca ctaggcgtcg ggcccagaag ccccccggcca tccagccccg actctttcat     720
gcctctgccc ctgatgaggg gacccagggt accctcaagg ggacacagaa gggaggctgc     780
atcctagtcc agtgtcaaag tgaggggggc gctgcaggag cctggacagg accacctagc     840
ccagccaggg acaggagggt gagaccacct ggaacaaagg cacagaggct ggagagaagg     900
cggcatgttc ccagactgca tgggctcggg gtaggggggat gcgaggtcag aactggcata     960
gtggccagga tctcgggctc tactccatgg gcagggggga agcccctggg gctgcatggg    1020
gccatggggg aggcgggcgc aggagacacc ggctgctgtg ccaaaggccc cagtccagct    1080
gctcctctgc cagcagaagg cagaggacaa ggggctggcc caggtggcct cgtgggacgg    1140
ggggaaagga gggaccagca aacccttctt gggatggctg aggacacagg ggactccagc    1200
agaaagggag gcccctgggt gtgcaagacg ggacgctgac cagcctgggc cctcaccggc    1260
cactacccccc accacca                                                  1277


        <210> 2842
        <211> 1322
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1324)...(0)
        <223> similar to gi804807 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



        <400> 2842
tttttttttt tgggtggggc acaaatggaa accatattaa cccctttatc attgtatagt      60
gactttatttt gtctcatagt ttttgtatca aaatcaatac tccttctctt tttcctggtt     120
tccattggca tggaataact ctttccaact ctttactttc agcctatgtg tgtctttata     180
gtttaagtgt gtttcttgta ggcaacagat caatgggtct tgttttctcc attcattcag     240
ccagtctatg tcttttgatt ggagagttta gtccatattt ccattcaatg tattatcgat     300
aagtaaagac ttactcctgc cttgttattt atttgttttc tggttgtttt gtggtcttct     360
tctttctttt cttcctgtct tcctttaggg aaggtagttt gctctggtga tatgatttag     420
gtttttgctt tttattttt atgtatccag tgtatgtttt taggtttgag gttaccataa     480
ggattacaaa tactattttg taacccatta ttttaacctg gtaacactgt ttgcattaac     540
aaacaaaaaa ctaataaaaa ctctacatct taacttcatc cccccacttt ttaactttt     600
```

```
gttgtttcta attttatctt atttttctga ctggtcttga aaagttgtag ttactatttt      660
tgattggttt atcatttatt ctttctactt acacaccaca gttacaatgt tatcacactt      720
tgggttttc tgtgtactta ctcttaacag tgagtttttt acctttagat gattctttgt      780
tgctcattaa tgtctgtttc tttctgacca aagtactccc ttaagcgttt cttatgggac      840
cagtctagtg ttgatgaaat ccctcagctt ttgtttgtct gggaagtctt tgtttattct      900
tcatgtttga aggatatttt tgctggatat actattctag ggtaaaaggt tttttcccctt     960
cagcacttta acatatgtca tgtcactctc tcctggcttg taaggtttcc actgaaaaat     1020
atactgccag atgtattgga gctccattgt atgttatctg tttcttttct cttgctgctt     1080
ttaggatcct ttctttaccc ttgtcctgtg ggagtttgat tattaaatgc cttgaggtaa     1140
tctttgggtt aaattggcct ggtgttctat aaccttcttg tacttggata taaatatctt     1200
tctgtaggtt taggaagttc tatgttatta tccctttcaa caaactttct attcctatct     1260
ctttctctat ctcttcttta aggccaataa ctcctagatt tgcccttaag aagttatttt     1320
ct                                                                     1322
```

```
<210> 2843
<211> 3506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3467)...(698)
<223> similar to gi5917666 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2843
tcgcacacag cacatgcaca caggtgcaca gaccacacag cacacacaag tgcacagagc       60
acactggaca catgcacaca cacacgcgtg catgcacact cctcgcactt ccagccttgg      120
agcccttctg tctctggact ttctctttga ccctgctgag tgtaagctgc ctggggaggg      180
gctacaagga gtaattgtgg ctttaggggt cgtggtgatg ctggaatgtc aagcgccgtc      240
gtggggtatc cgactgtccg ggctcctggt ccgcagtggc agagcgccag gcagagccca      300
atcaggtct cgtgctgccc ttcccccca cagcctggca gccatccaga ggaggggctc       360
taccagatgc caaggtgccc cggtgtctgt atgggtgtcc ggttgggtcc tgtgtttggt      420
ctgccctgga ggtggctggg ccctcctggg atgggtggct cagcctcgaa tcccaggccc      480
cagcccaggc aggtgctgct gcctgttgtg gtttcctggc ccagcttctc cttctccctc      540
tgcataaaat cacagtccgt gagtcttcca gctgccacca cggctgggac acgctggggg      600
agggctcctc ccatgcctcc tgcacacagc cgtctgagca gggcaggtgc ccaacacccc      660
ccaccggagg acacgctgcc cctcagcgat gcccctacct tttggggggc ctcgtctcaa      720
gccccccctt ggaggctgaa atcaccccag gcactgtgag ggcttctcca gggggcaccc      780
tttgagctgt gggtctgatc accccaagtc ccgcccggag gagaggcaca gccagggcgt      840
gtggtttaat gtttgccccc ttcggggctg gaggtctcag tgtttctaga ttccagaccc      900
tgctgccaga gagacctgct gccggagaga aggggaggag gactccagct gggctcggtc      960
ccccacagtc agggaccccc ataaaggaca ccccttctc tctagaaaga gctgggctct      1020
cagctatttc tagttgcttc ccagaagccg aggagcagaa ggagctgtga gagctttgca     1080
gaaacgccct tgtccccgcc ctcctgagct atgaatgccg tacagagcag aggctggggc     1140
attggcaaga tcacaggttg atgctgcaca gccccattga cacaaaccct caaagcagac     1200
gtgagaggga cggttcacaa agcttggacc tgccgtggag ggtgcccggc agacgtggcg     1260
tgagagggac ggctcacgag gcttggacct gctgtggagg gtgcccagca gacgtggtgt     1320
gagaggaacg gctcacgaga cttggacctg gtggagggtg cccagcagac gtggtgtgag     1380
agggacggct cacagggctt ggaccggaga gagatggctc atgagacttg gacctgccgt     1440
```

1665

```
ggagggtgcc cagcagacgt ggtatgagag ggatggctca cgaggcttgg acctggtgga    1500
gggtgcccgg cagacgtgtg agagggacgg ttcacaaggc ttggacctgc catggagggt    1560
gcccagcaga cgtggtgtga gagggacagc tcacgaggct tggacctgct gtggagggtg    1620
cccagcaggg ggctgagctc tgaggggtgg gtgctcagtg cacgggtgcc cccagtgtcc    1680
tctgatcctg tccggtgcct cccccaaccc ccacacccat gcagaactcc caggtcacat    1740
gcacgtatgt ccagggcatg ggggtggcgt gaagaggcct ggtcagggcc tttaggggct    1800
gcaggacgga atggccgcct ggggagcctg tgtggctgtg ccgggcagcc atcctgcatt    1860
cccacccagc gcgcagtctc cacctcggcc ccagcaaagc gctaagcagc cggagagaca    1920
gccagggcgg cttcctgaag gatgtgggat ggtggactcc ggggtcgagg gaatacgcag    1980
gttcctgtcc ctccgggaga cctagagaag ctgcacaccc aggagctttc catgacccgg    2040
gagcatgagt gaatgggggt tccagtttgc tgaactttgc cgtcttgtaa gggtgggggc    2100
tgacggccga ccctgggagg aggtgacatc gccggggggag gttgtgggca acggtggagg    2160
aggagagacg ggaggggacc atttgggatg gaggggcctc ttcagagttt taaaaggcgt    2220
ttgtggggtg gagttgagtg tgctctgggc ttggacactt gccgtggtgc ccctggctgg    2280
ccgaggagac tggctctggc caggggcccc gtcctgagag gtcctcagcg tctgactctc    2340
ggccaggcgc cagcaaggag gggccggtcc ccggggctac caggcaggca cgtgcacatc    2400
gccatcgcca cacgccaact ccgcctgggt tttacaaagt cgttgcctta atgcatgtgg    2460
acaggaactc cctgaggtcg ccccatgccc cctggctgtg ccaggtacgg acgccctgga    2520
ccctgcgaac aggtgggggcg ggcgaggggc ccaagggacg ggctccagag acacgcgcag    2580
ggcaggaggg gtctcacgga ggggtctcgc actgaggcgc cccaaagctg gtggtcccgc    2640
tggacgccat ccctctgccc gggatccaca cggcccacgt gtgcccgcca tgcccgcgcc    2700
ccacgccatt gcagtcttcc atcctctggc cgtgacggtg gctgcagctt ccccatttgc    2760
gccgttgcct ctggctgtct gcacttttgt tcatgctcca aagaacattt cataatgcct    2820
tcagtaccga cgtacacttc tgaccatttt gtatgtgtcc ttgtgccgta gtgacccagg    2880
ccttttttg gtggatgtgt tacccgcac acttcaatct caactttgtg caccgtccat    2940
tttctaggga tagacgccca gggaatgaac tctagttttc taacagatta gctgagatat    3000
taacttactc acacggacag gttgatgcca gagccgtaag aatgcgccag tgcgggtttg    3060
cggggggactt cgggtgtggg gtcctkcggc cgcgatggcc gtggaaggtt ctggggatcc    3120
ctgctgccac ggggacgagt tcggacgcca ggtggacctg tgcactcagt aaaacgcagt    3180
gattcaacct ggacggtgtg tggcctcctc actcccactg tctctgggcg gccggtctga    3240
gggccgggga cttctggtcg atgctggggc tgagtcgggt gcggtgctgt ggaccgggtg    3300
tggggacgga tggtccctct cctcagggca cgaacgagct ggggtgttgt gaaacagtgg    3360
ggctgggggc cacagtgagt gaggagcagg ggcggctggg tcctagggct ctggctggcc    3420
aggtgacgag cgccctgtag ggtgatttat accccacac aggtgcagg tgtccatcca    3480
cgttgccccc ttcctgccgt gatccc                                        3506
```

<210> 2844
<211> 1476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1429)...(254)
<223> similar to gi188864 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2844
```
tcacgtgtgc acagcttttt tacaggttac aaagtgtttc acatacatca tctcatcaat      60
tcctcacaac agccctgtga ggtaggcagg gcaggggggta atgttcccat ttgtacagat     120
```

```
gtggagactg aggcccagag aggccagtga cctgcttgag gccacacagc aagtgagcag      180
caaagctggg accaaaggct ggggtgggcc ccacctccag cccctggctc tctccactga      240
ctgtgctgtc ccccagggag gaccccagcc tctgtccaga gttttcagcc acaaccaagc      300
caggctccca ccccttgcag tagtgccgcc tggcagccca gcagacaggc tcccacccccc      360
atcggcagac ctgtcccctc cacctgcgcc ctgcaaaaag ccagcccgga gctgggccca      420
ggcctgcccc ctagcctgct cctgatggtg cctggggcgg ggtgggcagg tgggtgggtc      480
tggaacctcc tttcctgttt tcctgagtga tccctcccca ctggggaaga gaagagaaag      540
gaggaagaag aggaggagga ggaagagaaa aacaagaaac tgagttggaa gagggccctg      600
gagcaatcag gacgtcaaaa gtttgcattc cgactagcta taggaaatag ttttttttctc      660
tttttattat ttcaagtttt cataaaaatc cataattatt gaaacccaag ttacagagaa      720
agttcgtaac ttttttattg aattattgac tctgccgcgt gtcggttcgt cggctttcaa      780
ctccagtctg tcaatgcccc tgtgtaggtg gggtccccag gtctgggctt ctgaggtcct      840
ggtagaagga gggcaggtgg tgaggggtgg cggggggcag caggggacgg aggcgggagg      900
gagaaagaga acgtgtgtag aagggtaggg aggaggtggg aaggactgga gagtgagcag      960
gtggcggcca ggcccccttcc cctgcccggc cgcccggggg tccctgcccc ccgcccccggc     1020
ctcatatcat cttcatgttg aacttgcggg gcgcgtcggc ggagctgatg cctgcgtccg     1080
actttcgggg cacatactcg atctcgatgt tgtgctttgt gttgcccttg ccccggctcc     1140
agagaaacag cagcaccagg cagaagagga cgacgcccag gaaagagatg aagcccatgg     1200
tggtggcgat gatgagggtc ttgatgtcga aggggaaagg cacagtggcg cgggtgctgt     1260
tggcctctcc ctcgcccggc tggttggaga tgaaagcgaa ggtcttgttg ggctgatggg     1320
gccagtcggg cgagtagctg cgcacatgca ggtgggcggg catggagtcg ttgccgcccg     1380
cgttggccgc gatgcacagg tacgtgccgt tgtcctgtac ctgggcgtag cgcacctcca     1440
gcgtgccatc agggaagact gtgagccgcc ggacgc                               1476


        <210> 2845
        <211> 2862
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(2151)
        <223> similar to gi5262586 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 2845
ggaataagaa gacccttgaa gccccagaag gcatcagaga taaagtatct gactgggatg       60
agtttctgcg gcagaccctg ataggagcat gtagtcctcc tgttccgctg ctagagggcc      120
tccgtaatgg gaggaatcct ttagatctca ttgctccagg atccagacta gaatgtcaag      180
ctttccagga ctctttaagc acttggattg ttactgtagt agaaaacatt ggaggaaggc      240
tgaagctacg ttatgaagga cttgaaagtt ctgacaatta tgaacattgg ttgtattact      300
tggatccatt tcttcatcac gttggttggg ctgctcaaca gggatatgag cttcagcccc      360
cttcagccat tagacatcta aaaaatgaag ctgagtggca agagattttg gccaaagtga      420
aagaggaaga ggaagagcca ttaccatctt acttatttaa ggacaaacaa gttattggca      480
ttcatacatt ctctgtaaac atgaaattgg aagctgtaga cccctggtct ccttttggga      540
tctctcctgc tacagttgtt aaggtttttg atgagaagta ctttctggtg gaaatggatg      600
acttgcgtcc tgagaaccac gcacggcgat cctttgtgtg ccacgccgac agtcctggca      660
tcttccctgt gcagtggagt ctgaagaatg gcctacacat cagccccct ccaggctacc      720
caagccagga ctttgactgg gctgactacc tcaaacagtg tggtgctgaa gctgctcccc      780
agaggtgctt ccctccgtta atttctgaac atgaatttaa ggagaacatg aagctcgagg      840
```

```
cggtgaaccc cattctccct gaagaagtgt gtgttgctac catcactgca gtgagaggct    900
cctacctgtg gctccagctg gagggttcta agaagcctat acctgaatgt attgtgagtg    960
tggaatccat ggatatattt cctttgggct ggtgtgaaac caacggccac cccctcagca   1020
ctcctcgccg agcacgagta tataaacaga ggaaaattgc agtggttcag ccagaaaaac   1080
aagtaccatc ctcgaggact gtccacgagg gcctgaggaa tcaggagctg aactccacag   1140
agtcagttat gattaatgga aaatattgct gtccaaagat atacttcaac caccgttgct   1200
tctcagggcc atatcttaac aaaggaagaa ttgctgagct gcctcaatgt gtaggacctg   1260
ggaactgtgt tctggtcctt agagaggtcc tcactttact tatcaatgca gcctacaaac   1320
ccagccgtgt ccttcgggag ctccagctgg acaaagactc tgtgtggcac ggatgtgggg   1380
aagtcctaaa agccaaatat aaaggaaaga gttatcgggc tactgttgag atagtgaaaa   1440
cagcagatcg ggtgactgaa ttctgccggc aaacctgtat caaacctgga atgcctgtcc   1500
taacctcttc ggtccacgga tggttctgga taagtgttct gagaactgtt ctgtacttac   1560
aaagaccaaa tacacacact attacggaaa gaagaaaaat aaaagaattg ggaggccacc   1620
tgggtgggca tagtaactta gcttgtgccc tgaaaaaagc cagtaagagg agaaagaggc   1680
ggaaaaatgt ttttgttcat aaggaagaaa cgctcctctg catctgttga taatacccca   1740
gcgggcttct tccccagggg aagtgggggt tgaaggatga gggatgaccc cagatgaagg   1800
ggatgattga ttccctaagt gaaggcagta catccgagca gcaggatgag ctacaggaag   1860
aatcagaaat gtcagaaaaa aagtcatgct cctcttctcc cacccaaagt gagatatcca   1920
catcgctgcc tccagataga caaaggagaa aaagggagct cgcacctttt tcattttctg   1980
acgatgaaaa taaacctcct tcaccaaagg aaattgatgg gcaggccctg ttgctcctta   2040
cccttcccac tgttcaagaa tgcatggact taaaattggg ccctgccatc aaactttgcc   2100
atcacataga gaggatcaag tttgctttt atgagcagtt tgccaactga gaaggacaac   2160
caaagtgagc tggatctttg aagcacaaat gcagcaaatc cttcaccctg ctttataagt   2220
ggagctggaa tagtcctggg gctctggggc ctgcaggtat cagcttgctc tctttgcact   2280
ttcggggaag gaggactcac agtgaggaag caaaaactgt gcacagaagt ggatcacctg   2340
ctggtggaaa tgtggacatc tcttgttcag cagatggcag tttttaaaaa ataaaggttg   2400
tgaggaaaag acttatataa gaagaaaagc atttccagtg gtgtggccct gaaaacaaag   2460
aataacctag gctgctggaa agcacccttt tggttgtttt cattctgttc cctcccattg   2520
tagattgaac tttggttctc tgctttcttt ttcttggaaa gagaggactt agctttaagt   2580
cagcactgat ttgggactgt tcctaaggca tatcagtgct tcattgtcat tgtgtttta   2640
aacttttaa aattaaaaca gttcattttg gggatgatta tgtggctcta gggttttgaa   2700
tgtatagtca cactttgatc attttaaaat cgattcttag gagttccttt gtttactacc   2760
tctgttgata attgagctta cagccatgta tgaggttttt tgtatgatgc catttttaag   2820
ctacataaac actaaaatta tgacagaaaa aaacaaaaaa aa                       2862
```

<210> 2846
<211> 919
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (920)...(50)
<223> similar to gi4324434 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2846
```
tttttttttt tttacaaatc ctcattacat ttatttacta gtgtgttaaa catatactag     60
atcgcgattt ttaatctctg agcctgtgtt ttgatcatct tcatccgact gctgctctga    120
gccttgtgaa ttaatgtatt catattcaat aggcttcgga taattatatg ggtagccatt    180
```

```
gtcatcaaaa aaccttcgga aggtaaattc atagaatgca tgttcaggat gctttccatt    240
tttataccat ccattgagag tgtcatttac attttcttcc tcgttatcat cactccataa    300
tttatcagga tcaacaagga tcaaaatttg atgtatctgt tggggtggtg tgattttagg    360
ggaattgttt gaaagccgac ctgctgtctt caggtcactg ggagaagtca aattggtttt    420
aaaaaatggg atgagctttt atttcatcag caccattctt gcctaagcga tcttcgggtc    480
ctcggcaaag tttaataata agatcagaag cttcaggact gagtttagct tgtggtggaa    540
tgtgaagaga tgtttgccag ttgataacct tcatttgtgt ttctaatggt gtttgtgcca    600
agaaaggagg ttgtcccacc aacatttcaa aaagaataac accaacactc caccaatcac    660
acaactgtgt gtatcctgtt cgtagcaaca cttcaggtgc aatataattg ggagtcccaa    720
ccaaagaatg tgctagacat cgctggtgct ggcgtgcagc tctccgctct aatggcttca    780
gtctgtctcc acatcgacag cttgagggat cccccccattc attactgaaa tccatgctat    840
cttgccgtgg atggtcacca ctctgatagt acttagaatc gtgtgtccat ctgaagccag    900
tgcagaggcc aaagtcagt                                                   919
```

<210> 2847
<211> 1204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1203)...(142)
<223> similar to gi1017722 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2847
```
tttttttttt ttgacttcaa acatcctgca acctttaata tatatcatgt tgtgtgagtt     60
ttaacacatt tgggcttgca tttgttctac aatgtgtaat atgaaaagtt tatcagcaca    120
actagactga attattcctc acataaatcc ttgggatgtg ttacagtttt gatccttggt    180
taataggctt caacatggca caaaatatac aaggatgttt acacattttg atgtctagtg    240
agttgtgaga cctaaatgaa gcctctgcca cacagttagg gggtatatgg atttctcttt    300
agcatggact ctgatgtcaa tgaatgcttg aacttgtgat gaagggtttg ctgtactccg    360
taagggattc tctcaaggaa tgaaattctc tgatgctgtg taggagtgaa ttgtgactgg    420
aaaaccttgg ccacatttat tatactggaa tggtttctct ctgatataaa ttctttgatg    480
actcacagga tttaaacttt gactgaagac cttgccatat taatttcttt tataaggttt    540
ctccttagta tggataattg gatgtctgaa gaggtttggg cgcacactaa aggacttccc    600
acaatcacta catttgtaag gtttcttcc agtatggatt atctgatgtc tagtgaggtt    660
tgggcgcaca ctaaaggatt tgccacactc attacatttg taaggttttt ctccagtatg    720
gatgacctga tgggtagtta ggcttgaatg cacactgaag cctttgccac attgattaca    780
tttgtaaggc ttctctccag tatggatgac ctgatgggta gttaagttcg aatgcacact    840
aaaggctttc ccacactcat tacacttgta aggtttctct ccagtatgaa ctctccgatg    900
actcgcaagg tgtgaattgt aactgaaaac cttaccacat tcattgcatt tgtaaggttt    960
ctctccagta tgaattctcc aatgccttgc aaggcttgaa gtctgactga agactttacc   1020
acattcatta cacttgtatg gtttctcccc agtgtgaatt ctctgatgag ttgcaaggct   1080
tgaagtctga ctgaacacct tgccacattc attgcatttg taaggtttct tgccactatg   1140
aattacctga tggttggtaa gtgttgacct cacactaaag gctttgccac actctttaca   1200
tgtg                                                                 1204
```

<210> 2848
<211> 1873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1164)
<223> similar to gi4263748 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2848
```
acggcacaac ttgctatttt tattagaggt attgatgatg aatataatgt cactgaagaa      60
atcgaaatgt caccatgcta ttaaaagaca caactaaatc aagagattta tatgaagcag     120
tgaaaaatat gttaaagcaa tttttctttgt cctttgtaaa catatgtgat atagctacag     180
atgctgccct ggcgatggta ggtaaaagag agggacttgt acaattaata gatgatgcag     240
ttgccacaca aaactcacat ttgatgaagt attattgcat aatacatcaa gaaaatccat     300
gtgcacaagc tttaaaagta gataacgtca tgcaaattgt catcaaggct gtaaatttca     360
caagggccca ggaattgaat catcgctagt ttcaggaatt ccttaaaagt atggatgctg     420
actctagcaa gtcattcact tttagaagt aagatggtta agtcaaggca aaatgtaaag     480
attttatgct ttgtgatgtg aaatcaagct gtttatggta tcaaacaaaa ttggtgccag     540
aacttgacaa tgaaaactgg cttacagatt tagcatttt agtgggtttg acggcccatt     600
taagtgagtt aaacctgtgt cttcaagttg aaaaccaact taacaataca atgtttcaaa     660
ccataacagc attccatatg aaactgaaat tatggcaagc tcaaattaag gcaaacaatt     720
ttatgcattt cgacatgttg gctaaacatg gtcctgtgaa cagccaaaaa tacgcagcct     780
tgcttttcaa tttgatacag gaatttgaaa acaggtattt caagatttct gaaaaaatca     840
tcaatatttt ggtatatttg caactccatt ttcagtcgac atatatatgt tacctggcaa     900
ttttgaaatg gaatgcctag agctgcaatc tgatgttcaa cttatagaaa aatttgattt     960
tgcctctttta ctggactttt gtaagacctg tcttcccaat gacaaatatc ccttgcttca    1020
caatcacacc ttgttcatgt cattgctttt tggcagcact tacatttgtg agctactatt    1080
ttcaaggatg aagaacacga agagtaaaat tagaaccaaa atatctgatg agcaccttga    1140
gaactcactg agaattgcaa ctacttccat caagccagat actgatggat tagtttctca    1200
aaaacaatgt caagtacccc actagtttta tgttggtctc ttttctttta taataaaaaa    1260
tatcaaaaaa gtagtgaagt ttagctagat atgtacattt tctgtatcag tgattgcaaa    1320
cttggaacct gttcaatgat tttgaaagac cctctgaaat gggccagtgc ataattagga    1380
ttattatgca aggacatttt tgcttatctg tggtggtaga tatataatga aaactataca    1440
cagaccattt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtat    1500
tttatgtgtg gcccacgaca cttcttcttc cactgtggcc cagggaagcc aaaagattgg    1560
acacctctgc tttaattctt atcaaaatta tggcaggttt gtttgtagac acttacaagc    1620
ttattctgaa tttttatgga aaggcaaggg acaagaaaag ctaaagccat tctgaaaata    1680
taaatcaata aagtggaaag aattgcccta tatgatgtta agagttactg tacagctact    1740
agagtcacca cagtgtggta ttagtggagg agtaaacaat aagaaataga ttcacaaaat    1800
atactcagct gagttttgac aatatgccta cctttccaaa atggtgttgg aacatttgga    1860
cagctcatag ggg                                                       1873
```


<210> 2849
<211> 803
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(716)
<223> similar to gi1504034 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 2849
agcttggcga cttggggggcc aggggccctg gggctgaagg gtccagggct gtgggcttct   60
gggggagcct tcagagcttg atcaaggaaa gggattaggg gtaggggatg acaggggtct   120
gtggctggag ggagctggga tgcaggaaat ggtctttggg tcgggtattc agggcctcgc   180
ttcccctgag tcattctttc cacccCctgg ccgcacgtgg acccaaggtg aggaagtctg   240
ccctgagcca ggctctcgag gtcccggccc tcgcccccgc gcggggcctt agtgctcttg   300
cccaccgaca gctctgggtg gatcgcccag tggcgcctgt ccgtgttttg gcgcccccta   360
gcagcggcgc agttgcgcct gtttcgatag gcgagcggat tggcgcccct ggttgccgga   420
gcaatccctt aggcctggtt ccctgccgcc tggagcctcg gctcctcgca gtcaggtggg   480
ttctgggggt gccagcaggc tctgagagtg ccggccgcgg ggccctcgca gcttgcctgc   540
tgcagtcgga gctggtaaac tacgagcgcg tgcgcgagta ctgtctcaag gtactggata   600
aacatcaggg caacttcaag gccacctacc gtgccggcat tgccttctac cacctgggcg   660
actacgcacg cgcgctgcgc tacctgcagg aggcccgcag ccgggaaccc acaggtgagt   720
ggcggagcgc gccacacgag agggctgggc ccacggcggc gaaaggggct gcagcggaag   780
gaacacgccc tatgattagg gcc   803

        <210> 2850
        <211> 357
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (131)...(337)
        <223> similar to gi182201 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 2850
ttttgcttgg ctcttctcat tctgaagtct aaatcctact cgctcttctc ttcaaggcca   60
cgctctccat taaacccctg gtgatccCct accacaccac aatagataac cttacttgca   120
ctcatgaatc ctactcccag aactgccccc taaccgaacc gcacctatag taccagtacc   180
ctgtgcaagc tgactctggc atctcaactg actacagctc aagggactcc cagggagccc   240
caaggggctt attcgatggg ccctaattcc acccctattg aaacaagcct aatccaaccc   300
gctaaccctt tgcccccaca caatgtgcct tgctctaaga acaccagcct gcaaata   357

1671

<210> 2851
<211> 867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (868)...(461)
<223> similar to gi558846 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2851
```
tttttttttaa gtttatataa ctttattata agtattaatt tgtttgaatt aagtttatat        60
aactttaata taagcattaa tttgtttgaa atataaagta ttataaaata ttgtaattaa       120
gcttacagat aatttttaaa atatatacat tatgactaat ataccaaaat tatttatatg       180
tacacattta tatttaatac ccaaagaaaa tttactacca cattgctaca gtagatatta       240
acctgacatg tttattaatt gatcctatag gtataattat aggtcagcat aattttacag       300
tctattcttt tattttacta aattaggaat gccactattc ccggacaaat aaatgcaggt       360
gatgtggcca cccaagaatc atagtagctc ttcagttagc tatcttgcaa tctctgatat       420
aattctacta tgtgaataga gtgaattcca attcttcatc aaaaagtgct ggtggaggtt       480
gtcaggtgtg ttccagtata gattcccaat ccaacggccg gcagatggga gagcagcaga       540
gatggaaatt gtgctcagaa taagccctct ttctcataat acttgtattt ctcatgctga       600
gagtagctgt gcacttttgg tgtttagaga agaacttctt tggaagaata ttttctggtc       660
aatttgacca atgttacatg taatctgaat tagtctgtaa gattctttca acctcttttc       720
ttctctcaat acggttttac tcagactgag agctgtcttt ctcttcaatg ctttgggaat       780
tcagtgcttt gtgtctaagc ccctattagt atcacatggt gtctgtgagt gagggggggct       840
gtcaccgtga gaactcctgg agctgct                                          867
```


<210> 2852
<211> 2367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2368)
<223> similar to gi5419887 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2852
```
gacaaaaact gaagcagaac caaccaaaga gagcacatgt agaagatgga ggttcaagat        60
ctaaacaagg aaatgagcaa agtaagaaga caccaattga gaaatctgat tttgctgctg       120
ctacacatcc tcgtgctttt tacctcagta aaccagatga aactccaaat gcttggatgt       180
ctgattcagg aacaggattg acttactgga aactagagga aaaggatatg caccactctt       240
tgcctgaaac tttagagaag acgttcatat cattgtcttc cacagatgtg tcaccaaacc       300
aggtcctgac tctagatcct acgttacaca tgaagccaaa gcagcagatt tcaggattc        360
aacctcacgg ccttccgaat gcccttgatg acagaatatc cttttccccg gactctgttc       420
```

```
tagagcctag tatgtctagt ccctctgaca tagactcatt ttcacaagca agtaatgtca    480
cttctcagtt acctggattt ccaaaatatc cctcacacac aaaagcttct ccggtggact    540
cttggaaaaa tcagacattc caaaacgaaa gtaggaccag ttccacgttt ccgtcagtat    600
ataccattac tagtaatgat atctcggtca acactgtaga tgaagaaaac actgtcatgg    660
ttgcttcggc ctcagtcagt cagtcccagc ttccaggtac agccaacagt gtcccagaat    720
gcatttcatt gacttccttg gaagatcctg tgatattgtc taagattagg cagaatctga    780
aggaaaagca tgctcgacac atagcagatc ttcgagctta ttatgaatca gaaataaata    840
gtttgaaaca gaagctggag gcaaaagaaa tctctggagt tgaagattgg aagataacca    900
atcaaattct tgtagacaga tgtggccaat tagatagtgc tttgcatgaa gctactagtc    960
gcgtgagaac acttgaaaat aagaataact tactggaaat tgaagtgaat gatttgagag   1020
aacgcttcag tgcagccagc agtgcttcca aaattttgca ggaacgaatt gaagaaatga   1080
gaacaagcag taaagaaaaa gacaatacca tcattcgact aaaatctaga ctgcaagatt   1140
tagaagaagc atttgagaat gcttacaaac tctcagatga taaagaagct caactaaaac   1200
aagagaacaa aatgtttcaa gatcttttag gagagtatga gtcccttgga aaagaacaca   1260
ggagagtaaa ggatgcatta aatacaactg agaataaatt gcttgatgca tatactcaga   1320
tttctgattt gaaaagaatg atttcaaaac ttgaagctca ggtcaagcaa gtagaacatg   1380
aaaatatgtt aagccttcgt cataattcta gaattcacgt gagaccctcg cgtgccaaca   1440
cactagcaac ttcagacgtc agcaggcgga aatggctgat tccaggtgca gagtattcca   1500
tctttactgg ccagcctctg dacacccagg acagtaacgt ggataaccag ctggaggaaa   1560
cctgtagcct agggcaccgt tcacctctgg aaaaggattc ttcacctgaa gttcatcaac   1620
aagcttgttg ataaaaaagc aaagagagac ttcagacacg ccgatcatga gagctttaaa   1680
agaacttgat gagggaaaaa tatttaaaaa ttggggggaca cagacagaga aagaggacac   1740
ctcaaatagt ctgctgtagt aaatcctcgg caaactgaaa cttcagttaa tgcaagtcgt   1800
tctccagaaa agtgtgccca acagagacaa aagagactta attcggcctc acagagatca   1860
tcatctttac caccttcaaa tcgtaaatca agtactccaa caaaaagaga gattatgcta   1920
acaccagtga ctgtggctta tagtccaaag cgatccccta aagaaactt gtccccagga   1980
tttagtcatc tgcttagcaa aaatgagagc agtccaattc gagaaaaaac ttattctgag   2040
aaagccaccg ataaccatgt taatcatagc tcttgccctg aaccggtgcc aaatggagtg   2100
aagaaagtat ctgtgagaac agcctgggag aagaataaat cagttagcta tgaacagtgt   2160
aagccggttt cagtcactcc acaggggaat gattttgaat atacagcaaa aattcggacc   2220
ctagctgaaa cagaacgatt ttttgatgaa cttacaaaag aaaaggacca gattgaggca   2280
gcactaagca ggatgccttc tcctggagga cgaatcactt tacagacaag attaaatcag   2340
gtgaaatgtc ttagcttgaa tctgctt                                      2367
```

<210> 2853
<211> 2078
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(1056)
<223> similar to gi5262640 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2853
```
gcggccgctg caggacgcgg ccgaagacct caaggcgaag ctgcgagaag tcactggagc     60
atctccggaa gcagatgcag gatgcgtttg ctgttccaag cccaggcgca gtgagacctg    120
cgtcttgtgg cagaagatgg tggagagcca gcggcagaga cgtgctgggt gagttcgagc    180
gtcttcgccg tttgctggca gaggaggagc agcagctgct gcaggaggct ggaggaggag    240
```

1673

```
gagctggagg tgctgccccg gctgcgggaa gggcgcacac cctagggcca agcagagcgc    300
cccacctagc tgagctcatc gccgagctcg aagggccgct gccagctgcc tgcgctgggg    360
ctgctgcagg acatcaagga cgccctgcgc agggtccagg atgtgaagct gcagccccca    420
gaagttgtgc ctatggagct gaggaccgtg tgcagggtcc cgggactggt agagacactg    480
cggaggtttc gaggggacgt gaccttggac ccggacaccg ccaaccctga gctgatcctg    540
tctgaagaca ggcggagcgt gcagcggggg gacctacggc aggccctgcc ggacagccca    600
gagcgctttg accccggccc ctgcgtgctg ggccaggagc gcttcacctc aggccgccac    660
tactgggagg tggaggttgg ggaccgcacc agctgggccc tggggggtgtg cagggagaac    720
gtgaacagga aggagaaggg cgagctgtcc gcgggcaacg gcttctggat cctggtcttc    780
ctggggagct attacaattc ctcggaacgg gccttggctc cactccggga cccacccagg    840
cgcgtgggga tctttctgga ctacgaggct ggacatctct ctttctacag tgccaccgat    900
gggtcactgc tattcatctt tcccgagatc cccttctcgg ggacgctgcg gcccctcttc    960
tcacccctgt ccagcagccc gaccccgatg actatctgcc ggccgaaagg tgggtccggg   1020
gacaccctgg ctccccagtg actcgggccc tcctggagga gtcctgttgc ctctcctgcc   1080
cctccaggcc actgagtgtt ttggccactt ggaggacctg ggaggaggga gtgtgtcctt   1140
tgagcaagag gaggaactcc tggtgccttt ctgagcctgc gtgggagaac cccaattcta   1200
gcactccagg aaactgtggg agagtgtggg gcaggctccg tcctccctgg gagacccctc   1260
cagccaccgg gtgccactta atgccaacag cccttaccaa agctgggagc cccattgccc   1320
cggcagctct ggcctgtggt tccagaagct gagaaaactc cactggggct tgcagaatcc   1380
agggttcacc taagctgcac agttcctgca gctttgccag cccctgaaa gtcttgtgta    1440
ccccacctct gaagatgctg ggggaggcag ctgggatggg agccagcccc atgcctgtct   1500
gtgaccccac agtgggtgag agcccgtcac agtcctggt gtggctgctc tggaagaatt    1560
aggaggcagc cataataaga gtcttcagag agatgatggg aggggccagt gaggacagga   1620
acagagagta gatgtcctat aataaagggg cttctgggag gtgcctgggc acagatgtct   1680
gttcagcagg tgtgtgggcc tagaggagag agcagagccc agaaatgtct tttgcaggcc   1740
cacgttctga cttgaagctt tcgtgggcat gttgccattg ggttttgccc ttgcaaaggc   1800
ttcctaggtc tccagtggcc cctcaggacc cagggtccca gctgctgctt ggggatgtgc   1860
actgctggcc gccggccttg cagtctctct accctgggga ggaacagtgg cttctcagag   1920
cctgggcat acagaagaag gcaggagttg atttttgtgt tgggtttggg gtttctttgt    1980
cctcaaggta ctgttctgtt tctctttacc cctctgcttt atttattgta agcattccca   2040
cgttaaataa actttggctg ttgtctacaa aaaaaaaa                           2078
```

<210> 2854
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(26)
<223> similar to gi433816 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2854
```
ggcacgagct accacaacag tccactaccg acgacgttta tcgtatctat agagggccat     60
acgcacctcg cctatggccg ctctactaac ccctactgac gacccatgca gaaatcctac    120
agtctcctac tcacgacgcc taccgttacc tattcatgac cactagcgca accatacagt    180
cccctaccca tgagccctgg cataacccta caatccccta ctcaccacac ctagcataaa    240
cctacagtcc cctacccatg accctggag taaccctaca gtccctagt cactacacct     300
agtgtaacta accatacagt tccctatcca tgacctctgg cggaaccta cactccccta    360
```
```
                                    1674
```

<210> 2855
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (972)...(947)
<223> similar to gi4589592 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2855

```
ggcacgagcc ataagaacag gattacataa taaagttatg cttatctgat gtgtactggg    60
atttaatatt cttgcttgtg gtcagacata tcttaagtgt taaattgctt agaatatttg   120
tgatttctgt ataaggcatt aaagaatagg catcagggac tagttagaat ttgaacaaaa   180
tgtatttata acactttta ttgttggaaa ctcaactttt attctgggtt aagcctctag    240
ataaaatctt aagtctgcca aactattatt cccccccacct tttctttccc caactatcaa   300
gaccattcta ggaagtacgt cactctacca aaaatgattg agttgtgttg ggcctgggga   360
aaaagtcggg caaaaggagc ctttcttgtg gctgctgata gttaggttca tccaccaccg   420
cactttgagc tcgactagag tcgccatggg gtttcatctg tctttgtggg gccccacagg   480
tggctcacat ggttccactt tcaggctgtg ccaataggtg gtacgcagat tatttcgact   540
caggggcgtc ggtgagggag aggagagcga gtcgggtgcc actgggcacg gtttccagaa   600
gttctgcttt tgaaacctac actcgggctc ctctgaggat ttcttccaca gatcttggtg   660
tttcagcaca tgaatggctc gtgctgatcg gatgaagagt tcgtggtggt ggattgcgtc   720
tcctggtgga ctgcactgtg tatgacagag atgatgtact aaactccaca gctcgatttg   780
gccaatttcg agttgaaagg atggtactgg acccaggcct cataagtagc ttgtcatcaa   840
gatctaggag cttgtccatt agggagagat ttcttggctg tagaggcatt ccatgaacca   900
agagatcatt cacatttggc tgatgtctgc ttgcttgaca gagactcatc ttagactgtg   960
gcactcgcg                                                           969
```


<210> 2856
<211> 1683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (571)...(785)
<223> similar to gi3882211 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2856
```
ggcacgaggt aggaaccagt ggtctatgtc ccgaccacta cttggcttga tagggcttaa      60
tgaaaaggtg agagagccag ctccctggtg ccaacccaga agcagtggca accacgcact     120
tggtatcacc aagccctggg agaaatgtgt atagaaacac cccacggtgg tgaaacaggg     180
aaaatgggtc atttactgag caagtcccat ttgtgctttc agtatcacat aatcatttaa     240
ctgttagaag tcagcatgtg tggtagctca cagacacagg ataaaggagt gtttcccta      300
ggcagtaaga gaaacctttc aaggaaataa tgtacctggg tatcagagga cctaagacct     360
aagttctagt tctagctctg ctataaacaa gtcttgagat tctggtaaaa gaaaggtctg     420
gataagatga ccctttttaaa gtgctttaca atttaaaaat tcttgatatt cttagtagga     480
tgaagccata ttatcccaca agtgcttgcc tgaatttctt ttttaagggt ccaattttag     540
tagacattcc attcctcctt agagaagaac attcttcaac cctgcagatg acggagggct     600
aatctgcctt cccctgcttc tctaaccttc tgttccactc cttgccccac agtatttttc     660
tgacctaaga aacagtattg tgaacagcca gccaccggag aagcagcagg ccatgcacct     720
gtgttttgag aacctgatgg aaggcatcga gcgaaatctt cttacgaaaa acagagacag     780
gtgagtataa agcgtcctgc ctagaaatct cagacaattg ctattttttca aatcaacgaa     840
acaggcagtt gctttaaagt cttttgacatc tgtgtttgga ggccatctaa agcaatgcaa     900
tccaatagaa aagtgagcca tgttaaacag gcaaaattca ttttaataat atatttattt     960
taacccattg tatctaaaat attgtatcag tgtgtaatca gtattttaaa attgtgggtt    1020
ttcacattct ttttgtacta catttccaaa atcctgtgta ctttacattt aacagcatat    1080
ctcagttcat acgttttcat cagaaatact tgatctgtat ttagatttca taaatttaca    1140
gttgacaaag tagattcctg taatacccag attgtttcaa acacacctag ggactttcca    1200
gtaactgcat tgagtatctg ggctttgcaa ttaactttta aatttttattt aatttttaatt    1260
aatttaaaac aaggcatttt aatttaaaat taagatgcag ttggggagct gaatgttaaa    1320
ttgtatttaa tttggattca tgttctcagt cacactggcc ataattcagg ggcacggtag    1380
ccatatgtgg ttaggcagcc gccctattgg gacaggcata gcactgcacc acctgggtct    1440
tgctggcatt aaggaaatga ggatgggctt cattgggctt tactggccct tcacgtgtga    1500
gggcaacttc ctacttctgt cagtgagatt tcttttgtgc tgccatgagc ccaaggtagc    1560
cctcagggcc ccagatttga ccagatctct aagccaactt ttctcttaga gtcttaagac    1620
tgaaattaac tgatctttga aacagaaccc atcaattcat acattctact tcccatgctt    1680
taa                                                                  1683
```

<210> 2857
<211> 4279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3530)
<223> similar to gi3327188 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2857
```
caagtctata agggtcgaca tgttaaaacg ggtcagttgg cagccatcaa agttatggat      60
gtcactgagg atgaagagga agaaatcaaa ctggagataa atatgctaaa gaaatactct     120
catcacagaa acattgcaac atattatggt gctttcatca aaaagagccc tccaggacat     180
gatgaccaac tctggcttgt tatggagttc tgtgggggctg ggtccattac agaccttgtg     240
aagaacacca aaggaacac actcaaagaa gactggatcg cttacatctc cagagaaatc     300
ctgaggggac tggcacatct tcacattcat catgtgattc accgggatat caagggccag     360
aatgtgttgc tgactgagaa tgcagaggtg aaacttgttg actttggtgt gagtgctcag     420
```

```
ctggacagga  ctgtggggcg  gagaaatacg  ttcataggca  ctccctactg  gatggctcct      480
gaggtcatcg  cctgtgatga  gaacccagat  gccacctatg  attacagaag  tgatctttgg      540
tcttgtggca  ttacagccat  tgagatggca  gaaggtgctc  cccctctctg  tgacatgcat      600
ccaatgagag  cactgtttct  cattcccaga  aaccctcctc  cccggctgaa  gtcaaaaaaa      660
tggtcgaaga  agttttttag  ttttatagaa  gggtgcctgg  tgaagaatta  catgcagcgg      720
ccctctacag  agcagctttt  gaaacatcct  tttataaggg  atcagccaaa  tgaaaggcaa      780
gttagaatcc  agcttaagga  tcatatagat  cgtaccagga  agaagagagg  cgagaaagat      840
gaaactgagt  atgagtacag  tgggagtgag  gaagaagagg  aggaagtgcc  tgaacaggaa      900
ggagagccaa  gttccattgt  gaacgtgcct  ggtgagtcta  ctcttcgccg  agatttcctg      960
agactgcagc  aggagaacaa  ggaacgttcc  gaggctcttc  ggagacaaca  gttactacag     1020
gagcaacagc  tccgggagca  ggaagaatat  aaaaggcaac  tgctggcaga  gagacagaag     1080
cggattgagc  agcagaaaga  acagaggcga  cggctagaag  agcaacaaag  gagagagcgg     1140
gaagctagaa  ggcagcagga  acgtgaacag  cgaaggagag  aacaagaaga  aaagaggcgt     1200
ctagaggagt  tggagagaag  gcgcaaagaa  gaagaggaga  ggagacgggc  agaagaagaa     1260
aagaggagag  ttgaaagaga  acaggagtat  atcaggcgac  agctagaaga  ggagcagcgg     1320
cacttggaag  tccttcagca  gcagctgctc  caggagcagg  ccatgttact  gcatgaccat     1380
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gtggaagata  gatttaggaa  aactaaccac  agctcccctg  aagcccagtc  taagcagaca     1560
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agccaggcag  gacagagaaa  ctccaccagc  agtattgagc  ccaggcttct  gtgggagaga     1800
gtggagaagc  tggtgcccag  acctggcagt  ggcagctcct  cagggtccag  caactcagga     1860
tcccagcccg  ggtctcaccc  tgggtctcag  agtggctccg  gggaacgctt  cagagtgaga     1920
tcatcatcca  agtctgaagg  ctctccatct  cagcgcctgg  aaaatgcagt  gaaaaaacct     1980
gaagataaaa  aggaagtttt  cagacccctc  aagcctgctg  gcgaagtgga  tctgaccgca     2040
ctggccaaag  agcttcgagc  agtggaagat  gtacggccac  ctcacaaagt  aacggactac     2100
tcctcatcca  gtgaggagtc  ggggacgacg  gatgaggagg  acgacgatgt  ggagcaggaa     2160
ggggctgacg  agtccacctc  aggaccagag  gacaccagag  cagcgtcatc  tctgaatttg     2220
agcaatggtg  aaacggaatc  tgtgaaaacc  atgattgtcc  atgatgatgt  agaaagtgag     2280
ccggccatga  ccccatccaa  ggagggcact  ctaatcgtcc  gccagactca  gtccgctagt     2340
agcacactcc  agaaacacaa  atcttcctcc  tcctttacac  cttttatgga  ccccagatta     2400
ctacagattt  ctccatctag  cggaacaaca  gtgacatctg  tggtgggatt  ttcctgtgat     2460
gggatgagac  cagaagccat  aaggcaagat  cctacccgga  aaggctcagt  ggtcaatgtg     2520
aatcctacca  acactaggcc  acagagtgac  accccggaga  ttcgtaaata  caagaagagg     2580
tttaactctg  agattctgtg  tgctgcctta  tggggagtga  atttgctagt  gggtacagag     2640
agtggcctga  tgctgctgga  cagaagtggc  caagggaagg  tctatcctct  tatcaaccga     2700
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tacattataa  agttgtaaaa  tatgaaagaa  tcaaatttct  ggtgattgct  ttgaagagtt     2940
ctgtgggaag  tctatgcgta  ggcaccaaag  ccatatcaca  aatttatggc  ctttaagtca     3000
tttggagaat  tggtacataa  gccattactg  gtggatctca  ctgttgagga  aggccagagg     3060
ttgaaagtga  tctatggatc  ctgtgctgga  ttccatgctg  ttgatgtgga  ttcaggatca     3120
gtctatgaca  tttatctacc  aacacatatc  cagtgtagca  tcaaacccca  tgcaatcatc     3180
atcctcccca  atacagatgg  aatggagctt  ctggtgtgct  atgaagatga  gggggtttat     3240
gtaaacacat  atggaaggat  caccaaggat  gtagttctac  agtggggaga  gatgcctaca     3300
tcagtagcat  atattcgatc  caatcagaca  atgggctggg  gagagaaggc  catagagatc     3360
cgatctgtgg  aaactggtca  cttggatggt  gtgttcatgc  acaaaagggc  tcaaagacta     3420
aaattcttgt  gtgaacgcaa  tgacaaggtg  ttctttgcct  ctgttcggtc  tggtggcagc     3480
agtcaggttt  atttcatgac  cttaggcagg  acttctcttc  tgagctggta  gaagcagtgt     3540
gatccaggga  ttactggcct  ccagagtctt  caagatcctg  agaacttgga  attccttgta     3600
actggagctc  ggagctgcac  cgagggcaac  caggacagct  gtgtgtgcag  acctcatgtg     3660
ttgggttctc  tcccctcctt  cctgttcctc  ttatatacca  gtttatcccc  attctttttt     3720
tttttcttac  tccaaaataa  atcaaggctg  caatgcagct  ggggctgttc  aaattctacc     3780
atcaggtgct  ataagtgttt  gggattgagc  atcatactgg  aaagcaaaca  cctttcctcc     3840
```

                                      1677

```
agctccagaa ttccttgtct ctgaatgact ctgtcttgtg ggtgtctgac agtggcgacg    3900
atgaacatgc cgttggtttt attggcagtg ggcacaagga ggtgagaagt ggtggtaaaa    3960
ggagcagagt gctgaagcag agagcagatt taatatagta acattaacag tgtatttaat    4020
tgacatttct tttttgtaat gtgacgatat gtggacaaag aagaagatgc aggtttaaga    4080
agttaatatt tataaaatgt gaaagacaca gttactagga taactttttt gtgggtgggg    4140
cttgggagat ggggtggggt gggttaaggg gccccatttt gtttctttgg atttggggtg    4200
ggggtcctgg ccaagaactc agtcattttt ctgtgtacca ggttgcctaa atcatgtgca    4260
gatggttcta aaaaaaaaa                                                  4279
```

```
<210> 2858
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(334)
<223> similar to gi1049301 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2858
ggcacgagac tcatcagcca attcacacag gagagagacc ctatgatgca atgaaggtca      60
acaagctttc acccaaaaga caggtctcag taagcatcga aaaacttgcc atgcaagaat     120
gaaatcttat ggatacagtg gatgtgggaa ggttttgtcc tgtaagtcaa ctctcattat     180
ataacagaga acctatacag gtgagaaact cctcaaatgt agcatgtgta ataaagccat     240
catagttaaa tcctgtctca ctgtacatta gagaattcat acaggagaga aaccatataa     300
atgcagtgat tgtaagaaag cattcgctac tttgtaaact g                        341
```

```
<210> 2859
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(267)
<223> similar to gi190634 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2859
ggcacgagat taccattcag gagaaaacct ctacttgccc tgcttcgcgg actctaaccc      60
accagcagaa tattcttgga caattaacgg gaagtttcag ctatcaggac aaaagctctt     120
tatcccccac attactacac accatactgg gccctccccc gctctgatcg caactcaccc     180
```

```
actggcatgc aaagctccaa attcatgaca gtcaacgcct ctgctccttc acgaccatga       240
catcttcctg gccttaatcc attatagtac ccgtgacccc ctctctcgct ctcatgaata       300
ctgccccaca gccgctttca ctcttcctcc aaccg                                  335
```


        <210> 2860
        <211> 1391
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1389)...(270)
        <223> similar to gil262142 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 2860
```
tttttttttt ttttacaact gaagagaaag ttcctattta ttctcaaatg ccctgactaa        60
actgctcaaa agcagtttat attttcaaac caatgtcatg tcctcaacat aaagttcaaa       120
ttcatttact gtccatgaca cttaagcatc cagatcaata aattacaata cacatattct       180
gtaagagtct tttataccaa gaagcaatgt ttttggtctt cggcagtgac atttcctccc       240
cattcaccac acaaacgcag gaagctctcg taacatgagg acaccaaagc gctgccactc       300
tcgctgataa atccacagtt cctgtgttgt atccaaacaa gccaacactg cccctccttt       360
ccatgcaatc agccgggggt ccatgtcctt taggcctttg gatcacatcc acattttcaa       420
ataatcggcc tgaagggatg gtgggcattt tgttgagaat tctgtgctgc aaaaaattct       480
tgaagcttta atgaaaacat caaaccacct cccaccacta ggatgtagct gtacatcttc       540
tttttggtgt cgtcagatga acagcagtct atgctatgga ggatggcttt atccaggccc       600
agggcttttc cttcaaacag cgagatggca gtcttcctgg acatcagtgc agtgagggcc       660
tcctcggaat cgttgccggc catcaggcca tctccctgtg cagaccccaa atctacctcc       720
tgggaatgga gtctttctgg aagatcagag gactggccac gaagatcccc ttcaaatcca       780
ataggtttgg atgcagactt tcggtcagca gtagcttttg cagactgttc ttgtttgctc       840
tgtgtggcca gcaggtaatg ttcatcgtga ggatcctcag gatcgccctg agatctgtgc       900
tgcaaagtcg tcattttctg tccaacgatt ccaaaagttg cggggtaaaa caaagccatt       960
ggagcctgca gtttttcatc tcctaatcga aactggtaaa gcagggcagg agaatcagga      1020
tgtcgaatct gaaactcatg gtcctgaagc ccagagatgt cctgatctaa atgacaaaaa      1080
gtttctttaa ggtgttgcag aagaagacaa tccattttat ttgttaactg gcattctctg      1140
taagggaacc cagctcgctg cattagccag taaaaacatc ttgacacatc agatcctccg      1200
tatgccagac aaagccgagt attccgatga gacaccccat cctccacaca gcatacactt      1260
gtcttctggt ccccaacgtc tacaatacac gtgctgctta agccacttcc ataggtggca      1320
cacacagact cctgatggac cacaatccct gaaaaaccca tcttcattag tatcatattc      1380
actctcgtgc c                                                           1391
```


        <210> 2861
        <211> 3111
        <212> DNA
        <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3112)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3113)...(55)
<223> similar to gi2887497 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2861
```
tttttttttt ttcaaagctg tcacgtttat tcgcttaaaa tacctaagtc ctcagaagca    60
gcagggctgc tngtggaggg gctgcgccct cagtgccccc gtgccttcct ccgcacggcc   120
tgcaccagca gctccgagta gtgttccagc agggcctgca ggtctgggct ggccaggggg   180
tacagcgtcg gtgtggacgg gggtcctggg ctggtcagag cctgggctgg ggccacacta   240
gtccccacca ggcattcagc ctccagctgg ctgtggatcc acaggaaggt ggagaccagc   300
tcagtccgtg cctgctgctg cccggtgtcc acctggccac tggagaccaa cacacggtaa   360
aggtcgaggg cttcttggaa ggtggtctgc agcctgtgca agatgttccc cacccggagg   420
tgggctccag gagggaggca gtgccgccag ggatgccagg ccgggcctct ggaagctggg   480
ggttactggg gtgggcagga aggccagggg actcaggagc tgggagactt gggcgaaagg   540
cagagccgtg gagcctcagg gcgctctctt ccacagggct aggggctggg aagctcactg   600
cagggacggt gacgccaggc tgggtatcca cggggggcag caggagccca tcacaggcac   660
ttgacagggt cagtctcagg ttggcccggg cctcgtggtt gccccaggaa cgcagggcag   720
gctcttggcc ctcactgtcc aaactgggtg ttgtcgcggt ggtgatggcc tgaagctcct   780
ggcccaagga ggccagctcc ccaacggacg atggcctacg gaggggctgg gccagtgtgg   840
ccacgatagg gccctcactg tcaccgaggg agatgctgcg tgatatcctg gcacgggagc   900
tggcagtggc ctccatgtag gaacaggtgg aggggcatg gacaccctga gccaggcctg   960
gggtggggtgc agatgtgggc gttgggagat tccctgtctg ctgggcagac acggaggaag  1020
cagggacaca ggacgccagg ctcgtaaggc agggaggtgg tgggcgccag gcctccaggg  1080
tctcttcagc cttccctgca gcgaggacgt gggtcctgtc tggggaggcg tagccagtac  1140
ctgctctggg ctggcttccg cctcggtcca tgagcttgac ctctggagac ttcacaaggc  1200
actgggttgc ccggggaggg aaggtatggg tgaacctgga tgccttctgg aggcttgaga  1260
ggaactgcgt ggagatactc aggcgtgggt tgaagaagtg gtcttcagct tcagaggcct  1320
ccacgtctcc cagagctctg caggggggact cagtcagtgt ctcaaagtgg tggcggagga  1380
acttctcctg ctccggagtc tggggtaggg agctgctggg gacgctgggt ccctcgggca  1440
gggacagctc atcttctgtg ggaccctcag gcgggctctg gtcctttggg ctgtcggagg  1500
acaccctgag gtaggagtcg ccctgctggt ctccaggccc ggcctccacc tccttcctgc  1560
aatactggct gtctgtccct gtgactgtca cttctgcctc cagagagtag aggatgagct  1620
cactggcctc agatgattcc ttctgctcac tcagcaggct ggccaggctc tgtggctcca  1680
gtgaatccag aatggagttc tccagactct cgggcttcat gggggtaaag tagcaatcca  1740
ggtcctgggc atccaggatg gtcttgaggg gctcttggcc ggcccgctct gcccagcggc  1800
cgtggggctg gtagctgcgc ttggcgtgga aggccaagcc atctgccaca tcatcgtccc  1860
ctagcagccg ctttgcccac agtggcagct tgccgttggt tagcaggcaa cgaggattgt  1920
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ggctgccagg acctggggtg gccactccgc ttcttgtcat ttgtgtgctg ctgctgctgc  2040
cggtggtcaa tctccagcaa gtgctgcttc atgcagttgg tgatctccgg gcccaggtgc  2100
cagatgaaca cgcagctgtc tccagatact gtgatcaagt gatgacagtc ataggtgaac  2160
ttcatgctgg taataatttc tgcaaacaaa gcagagaggc tgcacttgcc ttcggagtca  2220
gagggtgtgg gcgggtgggg aggcatccca agcagagagg cacacccacc tgaatggcca  2280
aacatcttgg caatgcactc gcccgagtaa aagtcaatca ctgagatgct tttgtcagag  2340
cagctggtgg ccaggaaggt gcctgagggg tccacatgga ccttcagcaa ggacccttcg  2400
tcaccctggg agcccttgta gcacttcttc tgcttcccgt tcacagtgtt gtagactctc  2460
acattgcggt cctggcaggc cacggccacg tacttctggg tgatgtcaat gtccatgtca  2520
```

```
tacaaggtgg ttttctctgc tacgtggtgg gtacggacaa agtgtagtcc atccgaaccc    2580
tgctgggcac tgcgaaagta gatgctcttg tcagccccac agctgatcat ctggatgtct    2640
ctgttgccag cgaacttgat ggcggtgatg gaggaggagt ggtcatccag cgtctgctcc    2700
aggttgtagt tcttctccac gttcagcaca tggatcagcc ggtcccgact ggctgaggcc    2760
agcaaggtca gccctgtctc tggcttggag tactccaggc acagcacctc agcatcatgg    2820
gcctccacct tgaccagctc gtccatgaag tgcagctcgt ggatcagccc ctcattccca    2880
atgggcagca ggaggtgcca aggccagggc ttctgcccac tgccctgaga acctgagctg    2940
gagctgggag gtgtacactg gacactgcca gggcccactt gcctcagatt tccacttcgg    3000
tcgcctgaag ccaaatgctg gccgtcagga ctgacctgca tgacccgcac cccggctttc    3060
acgtccatgg gtgtcccatt ctcgctcccc cggtctggga agtgtgacat t              3111
```

<210> 2862
<211> 2849
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)...(2300)
<223> similar to gi2702418 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2862
```
gggccgcgca aggacccgct gcggcacctg cgcacgcgag agaagcgcgg accgtcgggg      60
tgctccggcg gccccaaaac accgttgtaa cctgacaagg tggtggcaaa cggggtaagc     120
cgggaactcg gggcgccgcg ctcctacgtc ttctcccgag ttcaaccggt atctcttcaa     180
ctgtggagaa ggcgttcaga gactcatgca ggagcacaag ttaaaggttg ctcgcctgga     240
caacatattc ctgacacgaa tgcactggtc taatgttggg ggcttaagtg gaatgattct     300
tactttaaag gaaaccgggc ttccaaagtg tgtactttct ggacctccac aactggaaaa     360
atacctcgaa gcaatcaaaa tattttctgg tccattgaaa ggaatagaac tggctgtgcg     420
gccccactct gccccagaat acgaggatga aaccatgaca gtttaccaga tccccataca     480
cagtgaacag aggaggggaa agcaccaacc atggcagagt ccagaaaggc ctctcagcag     540
gctcagtcca gagcgatctt cagactccga gtcgaatgaa aatgagccac accttccaca     600
tggtgttagc cagagaagag gggtcaggga ctcttccctg gtcgtagctt tcatctgtaa     660
gcttcactta aagagaggaa acttcttggt gctcaaagca aaggagatgg gcctcccagt     720
tgggacagct gccatcgctc ccatcattgc tgctgtcaag gacgggaaaa gcatcactca     780
tgaaggaaga gagattttgg ctgaagagct gtgtactcct ccagatcctg gtgctgcttt     840
tgtggtggta gaatgtccag atgaaagctt cattcaaccc atctgtgaga atgccacctt     900
tcagaggtac caaggaaagg cagatgcccc cgtggccttg gtggttcaca tggccccagc     960
atctgtgctt gtggacagca ggtaccagca gtggatggag aggtttgggc ctgacaccca    1020
gcacttggtc ctgaatgaga actgtgcctc agttcacaac cttcgcagcc acaagattca    1080
aacccagctc aacctcatcc acccggacat cttcccctg ctcaccagtt tccgctgtaa    1140
gaaggagggc cccaccctca gtgtgcccat ggttcagggt gaatgcctcc tcaagtacca    1200
gctccgtccc aggagggagt ggcagaggga tgccattatt acttgcaatc ctgaggaatt    1260
catagttgag gcgctgcagc ttcccaactt ccagcagagc gttgcaggag tacaggagga    1320
gtgcgcagga cggcccagcc ccagcagaga aagaagtca gtacccagaa atcatcttcc      1380
ttggaacagg gtctgccatc ccgatgaaga ttcgaaaatg tcagtgccac acttgtcaaa    1440
cataagcccc gacacgtctc tgctactgga ctgtggtgag ggcacatttg ggcagctgtg    1500
ccgttcatta cggagaccag ggtggacagg gtcctggggc accctgggct tgctgtgttt    1560
gtgttccacc tgcacggcag attcaccaca cgggcttgcc aagtatcttg ctgcagagag    1620
```
```

```
aacgcgcctt ggcatctttg ggaaagccgc ttcacccttt gctggtggtt gcccccaacc   1680
agctcaaagc ctggctccag cagtaccaca accagtgcca ggaggtcctg caccacatca   1740
gtatgattcc tgccaaatgc cttcaggaag gggctgagat ctccagtcct gcagtggaaa   1800
gattgatcag ttcgctgttg cgaacatgtg atttggaaga gtttcagacc tgtctggtgc   1860
ggcactgcaa gcatgcgttt ggctgtgcgc tggtgcacac ctctggctgg aaagtggtct   1920
attccgggga caccatgccc tgcgaggctc tggtccggat ggggaaagat gccaccctcc   1980
tgatacatga agccaccctg gaagatggtt tggaagagga agcagtggaa aagacacaca   2040
gcacaacgtc ccaagccatc agcgtgggga tgcggatgaa cgcggagttc attatgctga   2100
accacttcag ccagcgctat gccaaggtcc ccctcttcag ccccaacttc agcgagaaag   2160
tgggagttgc ctttgaccac atgaaggtct gctttggaga ctttccaaca atgcccaagc   2220
tgattccccc actgaaagcc ctgtttgctg gcgacatcga ggagatggag gagcgcaggg   2280
agaagcggga gctgcggcag gtgcgggcgg ccctcctgtc cagggagctg gcaggcggcc   2340
tggaggatgg ggagcctcag cagaagcggg cccacacaga ggagccacag gccaagaagg   2400
tcagagccca gtgaagatct gggagaccct gaactcagaa ggctgtgtgt cttctgcccc   2460
acgcacgcac ccgtatctgc cctccttgct ggtagaagct gaagagcacg gtcccccagg   2520
aggcagctca ggataggtgg tatggagctg tgccgaggct tgggctccca cataagcact   2580
agtctataga tgcctcttag gactggtgcc tggcacagcc gcgggccagg aggctgccac   2640
acggaagcaa gcagatgaac taatttcatt tcaaggcagt ttttaaagaa gtcatggaaa   2700
cagacggcgg cacctttcct ctaatccagc aaagtgattc cctgcacacc agagacaagc   2760
agagtaacag gatcagtggg tctaagtgtc cgagacttaa cgaaaatagt atttcagctg   2820
caataaagat tgagtttgca aaaaaaaaa                                     2849
```

<210> 2863
<211> 1920
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1898)...(1868)
<223> similar to gi1177607 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2863
```
ggcacgagga gaaggctgcc agtagaggaa aggggaagaa ttcccagggc gaggaaaaca     60
cataagcctt tgcgtgtgga gctgtgtaaa ttcaaggtct ggccaggggg ctgtgagatg    120
ccgtgtgtgc ttggagcaca ggaatgagaa gtgaggtgag gaagtggctg ggccacctca    180
caaagggcct caaattctag gctgagaaac tcggacttgg tcctgagggt aaaggggggcc    240
gggagaatgt tatgcatggt gctgaagttg cattcaacac agctgtgaga agcatctgtc    300
agggtcaggc cagtgtggga ggggaactgg aggccaggt accagatatg gtggtccagg    360
tgagaaggaa ggggccagaa cttggcttgg agaacggagg tcagtgccct caggggggtgg    420
aggtgatgga acttggtgct tgtctggctt tggggagtga gggagtgggt ggaaatgggg    480
acgtccaaag ttctagatgg tgtggcaaga attttgtcta gatggggtgg cttcctcatg    540
atcatgtctt ggggttgagc aggggttctc tttggtgggg agctgggtag ggaggtaatg    600
cttcactttt ggatggggcg atcaaattca ttcatgtatt cattcaacca atatcgaatt    660
gattccttac cctttcctga aagacctttg atagattctg agggtagaat gttgaccagg    720
atggagctgg gccttggaga gtggggaagg caggcagtaa cacagcaggc agtagatcaa    780
cgaggccata tcatggattg tgctgtggga tgtgaaggaa atgaacagac ggaggacgca    840
gagcagggca cctcgagcta ccacggtcac taaaagctgc tatgaccaag tgttctgtga    900
gctgaaacct gaaggccagg aaggagtcac tcttgtgagg ggctgaaagg aacatcacag    960
```

```
agaggggagg agctagcaca aaagctctcc agatgggaga ggctggtgca ctgggcaagg      1020
gaaagccagc accatggtgc ccagaaggga aggcagctgg ggggccagtc tacgcagggc      1080
cttgcagagt gtctgggttt actctaaggg cagaggggaa ggttttgatc ataacgcact      1140
gcagtctgaa actcctgggc tcaggcaatc ctgtctcagc ttcctgggta gttgggactg      1200
taggcaggca ccaccacctc tgcctaatta ttattatcat ttttttttgga gagacagggt      1260
ctcaatatgt tgctgtgtct cagaggggaa ggttttaagt cagggaatga ttctgtgagc      1320
ttaaaaaatc acttggaaat tgccataggg aagggaggga gaaggccagg catggtggct      1380
catgcctata atcccaggac tttgggaggc tgaggcaggc ggatcgcttg aggccaggag      1440
ttcgagacca gtctgggcaa cagggtgaaa ccctgtctct tctaaaatta caaaaaatta      1500
gccggccatg gtggtgcgcg cctgtagtcc cagctactca ggaggctgag gcgggagaat      1560
cgcttgaacc tgggaggtgg aggctgcagt gagctgagat catgccactg tactcaagcc      1620
tgggcgacag agtgagactc tgtctgaaaa aagacacagc aacaaaaaaa acgagagggg      1680
agggagagag tgatggaggc ggaggctgct gctgctataa gctgggcgta agtggtggtg      1740
gtttgcgctg gggtggcagc ggcgatggtg ggattacagg gaagtgtgtg cttgctgac       1800
aggggtcatg tgcactgacc cggtgtgggc agaggcaggt gctatcctgg ccatcccgcc      1860
tgcggatgtg tgacctcagg ccaatcacac gatctctttg agctctgctt ccctcatctg      1920
```

```
<400> 2864
tttcggtgtg gctggctcat ttatttaggc aaaaccatca gccaggtgca gaatgcttgg        60
gtgcatatgt gggtatgagg gtaggtatga ggtgcaaggc cccacccatt cttcgaggtt       120
ctctcgcctg ccagcccctg cccctgccct ttcctcaagt ctgggccctc ctcccgtgct       180
tttcctgcct cttccccca ccccgcgcct cagcctcagc caggagccgc gcacgcagct       240
actcactctt cctgtgcctc aggactctca cttctaggga ccaagaggag agaagtgaca       300
gcggagttag gagggaaagg gggccaggat gagactggga cagcagggga cagggagcgg       360
gccagggaga gcgggcgggg gggaagtgga gaagagagga ggagcttttc tgcccatctg       420
accctggctc aggctgctct ggggccccat gagggtggtc catcgagttc ctggcttggc       480
tggtgcccct gagggctggg cagggccacc actggctcta gcccctagca agggcctcca       540
ccttggcact gggttggggt agggcaccca gccctggctg tgctgggtga gggtgtctcg       600
ggaagcccag agtatgtttt tctctgccct tagcctcgtg cc                        642
```

<220>
<221> misc_feature
<222> (573)...(58)
<223> similar to gi5106779 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2865
tttttttttt ttaggcattc aggctcttta atgtctgagg atggggggaa gaagtcaatg   60
gtgaggcttc tctgggaaat tctgcaggcc ttgtagttct ctaagcccct ctagcaacat   120
gtggatatgg gctttgatat tcatggagtc cttggtgagg ctgttgctga gccttatgaa   180
aacctatgag ttcaacatct gtgaggagag agctcttacg atcaatgaac ttgagagctt   240
ctgccagtgt caactccagg aaaaaaccat atcccagggc cacatagatg cgtgaagtat   300
ctgggaccac tgtgtcaacg aagaagttac agcccaaatc cacctgcata tataactccg   360
agtgcttagc ttcctggagt cgctcaatga catttctcag ttgaaggtat ttggccagct   420
gctcatatac cttgtctcga tggtccagca cctttcgcaa gtcccgctgc agcacgtcac   480
tgatgaaggt ctcgtagcgc agcactttct cccccgtggc ctccaccgcc cgccgcttag   540
ggggcgtcgc catgatgggc tcctcaggcc gccagcaata agaac   585

<210> 2866
<211> 1606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1598)...(228)
<223> similar to gi1575333 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2866
tttttttttt ttcgtatttc aagggttttt attctgagca gtaggtacaa aaaataatga   60
catagttgtg tctaattctg tatagttcag gcaccctcca caggctgtca atctctgatt   120
tgatctactt ttaccagatt taacagatcc ttgaatttac tttactgtat atacttcctt   180
cttgctcaca ttgggaatca aactaatgct ggaaacatgc atcttcagac ttcattgagg   240
aattccagat tgagacacgc tgggatgtgg attgagtcca tggttagaga agatggatta   300
aatggaaaca aaacaggaaa catgtgcttg gcatctaata gcagttgctg agggtcattc   360
cgctcttgta gttgtgcctg gattgttcgt ataaaggcca ctgttacccg ttcttcaaat   420
tcattcaggg gagtataaag gtttaaaatt ttgacaatct gctgggtgct gagggaggta   480
cacagggagc agatagcctc tgcgtcctcc tgggtttttct tctttaattg caggagctgg   540
gctgcttgga tcagaggttc catggtctga actgctccac tctggtgaag gtttcttccc   600
cgaagccact cctcaagctg acttatattg tacctgagtt gcatgcctgt gctccaagag   660
cagacgtcct tccgcaggag caggtcatta agagtcactg cgttgatcat gtagaagagc   720
tgtttgaata cctgcaggat gatctcaggg tccaagccct ggtcacacat gactgtatga   780
aaggcattca tctggcggat gatagcttcc aggcggtatg agttatcctc atctgccatg   840
ctggaggagt gcttctggga gccagtgggc ttcacaccag atagaccctg aatgctctaa   900
ttttccaaca tggcagaaac tatcatcggc tgtaacacac cctcggcaat tttaatgagc   960
tgctggtaga tctgaatgga aaggtcacgt caggcacctg acggtattcg gtgaggtcaa   1020

```
aattcttaag acagtgttca attctgcttt gcagtgttct gagtcatgaa gccctcatcc   1080
ccgctgtact gcttcagaca gtgaagaagg cgggcaggtg ttggataacc agaatgacgt   1140
catctcaaag tcatcattgt gctttttcag gactttctta atgccgttga tggtggaggt   1200
cagcagggag tgcaccttga gatcgtcgtt ggtgtagtcc cgcgtgccgg atgcacatgt   1260
agaggatgta ggcggggaga cagggcactg tgcccgacag catctggggc ttcaagtctg   1320
tcaccaggtt ccggatgagg agggcctcgt cctctttgtg gtactccagc atgccctgga   1380
aatccttctc tttccgctgg accgtgacct gcctgttgag ctcatggcgc ttcctctcac   1440
tctgggccaa tgcctgggca gcttctaggt cctgggcttt cttcatgtaa atcttcagtt   1500
gctttttgag cttcctctca ttcttttcca gcttttctac cagttcttta aggtccagat   1560
tctcgttggt cagccgggat atttcctgct gaacgccgct cgtgcc               1606
```

```
    <400> 2867
actgagatcg tgccattgca cttcaggcca ggcaacagtg caagactccg tttcaaaaaa     60
aaaagaacat aaaccaagca ttttttaatc tcttaccacc tcaggttcag actagacaga    120
taaaaaattc cctgggtgga ctctaagaac ctacatttgc aaaacaacat ttattctttt    180
aaaaaatcta tatacattgc catacaaaga taccacattg aagcagttct caggaacctt    240
ccagtgagcc ttctcttata attgcccgag caagatttcg tgccagagaa agtctcagca    300
tttccacctt ggtggtctct atgtcatcat cctggagctg ctcggtatca gattctccat    360
gcacaggtct tcttgacgtc aagtcctcca gacaccgcat caactcataa gtctgttctg    420
ctgagaaaat cacctgtttc tgttccaaaa ggggcaaggc atctgtcagc agagtcatcc    480
agaaagaccg aggggcaatc cgagacgtca tcaaggacag aaggagagaa gctgcgtcgg    540
caaaacgctt ctccccgtac atacggtgga actcgcgata ctttcccagg aatgtcagtc    600
ggtcactgag catcatggct ggccccaggt tgtcaatgag atccaaatca gaaaagcagc    660
ctcgctcaca gtaatccctg aggaacctgt ctgacacgag cgtggcaaag gcggcatcct    720
tagcacggat gctccaagag agggcagaac ccaggcgatt gttgcggacg gctttcatgg    780
ctaagatctt acaaatgctg cgaacttgtt cagtcatctg ccgctgctca cagatccgca    840
gcaccttcag ggctttctgc tcggtgttca gaggtatccg ctcaatgtgc agctccaggg    900
agactcggcc cagctcgggg cagtaatcaa agtaatcgac ccccagctgc cacaggctgg    960
gatgagcaaa cagtcccgag gcgtactcca gcaggaggaa ctctctcatg ttggaaccga   1020
aatagaggtt gtgtgactgg aggagcttgc agtggtccag caggtctgtc aggtgggcca   1080
caaaccacca gttgctcagg gcgatgcttt tagctcgata cttttggagg acttgaaggg   1140
caccaggaaa ctgccgacat cttgcccaac tcccagtgaa gtgcacccca gctgtttcct   1200
cttgccagac agcaaggaac tggcccgtct tcagaggaag ctgtaagcca ggagggaaga   1260
agggaccctg tggaggactc ctgccatctc tcgtgcc                           1297
```
```
                                   1685
```

<210> 2868
<211> 1059
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (709)...(571)
<223> similar to gi2995384 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 2868
    tcccctcctc ccgcccacgc cccgctcccc gcccccggag ccccgcggac gctacgccgc   60
    gacgagtagg agggccgctg cggtgagcct tgaagcctat ggctttgggc ccgggtggga   120
    gccgccgcag gtgcatgatc ttggtgtgta gtagcaaata ttcaaacgag aactttgaag   180
    gcctgaagtg gagaagggtt ccatgtgaac agcagttgaa catgggtcag tcggtcctga   240
    gagatgggcg agcgccgttc cgaagggacg ggcgatggcc tccgttgccc tcggccgatc   300
    gaaagggagt cgggttcaga tccccgaatc cggagtggcg gagatgggcg ccgcgaggcg   360
    tccagtgcgg taacgcgacc gatcccggag aagccggcgg gagccccggg gagagttctc   420
    ttttctttgt gaagggcagg gcgccctgga atgggttcgc cccgagagag gggcccgtgc   480
    cttggaaagc gtcgcggttc cggcggcgtc cggtgagctc tcgctggccc ttgaaaatcc   540
    gggggagagg gtgtaaatct cgcgccgggc cgtacccata tccgcagcag gtctccaagg   600
    tgaacagcct ctggcatgtt ggaacaatgt aggtaaggga agtcggcaag ccggatccgt   660
    aacttcggga taaggattgg ctctaagggc tgggtcggtc gggctggggc gcagagacaa   720
    ctgcaaggct tctaatggcc aatgctggaa caatgacagc aaggaataaa taaagtgata   780
    tttaattata acccaaagca tactacagct gttcatgatc ccatactgac ataaataaat   840
    tgttgaataa attaataaat ggagaagaaa caaaccttcc aggcagaaga attccaaata   900
    atgtatgtag atgctgcaca ctgagagaga taaagcatag ctcccactc ctaagtgtgg   960
    gctacacata gtcactttct gctcaagagt acaggatgga aaaaggaaa aaaagagtaa   1020
    cattccaatc acctgcacca ttcaggtgat cgaggtcct   1059

        <210> 2869
        <211> 1386
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1377)...(472)
        <223> similar to gi2887431 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 2869
    ttttacaaca caagaaatgg tactgaatat atttgttaca tcctgaatca acccaataga   60
    cggatcttgt aaacaaaata gtaaggtaac acttcaaaaa cagatgaaca atttatccac   120
    caagaatgta tatagtaagc caaaagctca ctgtggaaat acacttagca tggttattag   180
    aaaatcacaa agagtaatgt aacaagttac caaattttat ggtcatgttc tgcttgataa   240

```
ttcaaatagg atggatggta gttacctagt tttctaattt tgtgttgttt taacatctcc      300
attgattttt aatgctttat tttttatttg aatttgctgg ctggcaggtt tgctttgctt      360
aatacattga ctgcaacacg cttattgttg tgttggtaga ataagacata cgagaatata      420
tatagaaagg ccatatggag gtttccatgg aaagattctg atactccata actctgctgt      480
tcagaatttc agctgattgc ctgtagttgg tgcagcgaac ggaacgctgg tggcaggtgt      540
tgttgctgca gacacagtgg taggtgtagc accgtgcatc atgggcacaa tatttgaagc      600
gggtgccatg cacagtattg gccctgcagg gataaatgcc ggctgtggga gctgcaggtt      660
agtcagagcc tgttggcagt ggaaaacagt gggattaaag accggggtgg caccattggg      720
ctttttccagt gctgatctct ttggtatcag ttgcagtgta ccaggctgca gggccatggc      780
agaggcagct gaatggttca tctgatgatg agctgccttg agtctggctt gcaagtgtgc      840
aggaggatga aagtacttgc atttctcccg cgagcatcga cctttgatgt aatccatgca      900
gattgtcaca gtattatcac tcgcttcaat catggaagca tcagtagggt gagcatagcg      960
gcaatcattc tcccccacgg gtacaatttc cacgctgaaa ttctcggcaa acctccagtt     1020
tatctgaacg catcagtttt gggccaacag ctcctggcat tgcaagaggt gggtttccag     1080
gaatcagaac aggtgtattt ggtacaagtt ctgcaggaac gaggcccatc ccaggatgtg     1140
gtatgtaagg attgaaagcc atgggaggat tagctggaat tgatggagtc ataggaaaag     1200
aaccaagtga tgacatttga gcgttttgga gcataagctg catctgctgg gcgaacatgg     1260
ctgcggcagt cttctgttga atcagattgt tccgcccatt aatctccagc tgcgttttta     1320
agtgtggagg agggtgaagg tacttgcagt tctctcgggt acaccgaccc tgatcccacg     1380
cgtccg                                                                1386
```


    <210> 2870
    <211> 875
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (43)...(660)
    <223> similar to gi2842510 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

    <400> 2870

```
ggcacgagcg acgctggtca gaaacatttt ggggctactg tgtgcaagtc ttgtggtatg       60
atatatactg cttccaaccc tgaagatgaa atgcagcatg tacagcatca ccacaggttt      120
ctggaaggaa tcaaatatgt gggttggaag aaagaacgtg tagtagcaga gttttgggat      180
gggaaaatcg tgttggttct gccacatgat ccaagctttg ctatcaaaaa ggtagaagat      240
gtccaagaac ttgttgataa tgaattgggc ttccagcaag ttgttcctaa atgtccaaac      300
aaaataaaaa cttttctttt tatatctgat gaaagagag tagttgggtg tttaattgca       360
gaacccatca aacaggcatt tcgtgtcctg tctgaaccaa ttggtccaga atccccaagc      420
tctacggaat gtcctagggc ttggcaatgt tcagatgtac cagaacctgc agtctgtggg      480
ataagtagaa tctgggtttt cagactgaag agaagaaagc gcattgcaag acgactggtt      540
gataccctca ggaattgctt catgtttggc tgttttctca gcactgatga aatagcattt      600
tctgacccaa caccagatgg caagttattt gcaaccaagt actgcaacac ccctaatttc      660
ctcgtatata attttaatag ttaaagctga tttcagttat aaaggagtta ctatctggat      720
aagttcaaag agctccttat tataaaatac aaactattta ataaatatca aaataaaaaa      780
tacccgagac tcacactcat acacacacac acacacacac acacacacac atatcacagt      840
tttggttcct tatgagttga aaagtcagga ataaa                                 875
```


                                   1687
```

<210> 2871
<211> 1519
<212> DNA ·
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1520)...(293)
<223> similar to gi3876636 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 2871
```
tttttttttt ttgagctttt gatcatttta ttcacaaaat ataagcgaga cttacatccc        60
tttctggtga aagtttttcaa ataatttttat gggtagggcc ttgagatgta tcaattataa      120
aacatgttaa aatgaaaaca ttttttaaat ttacaaatac aaaccaatac tttatacaag       180
aattctctat aaagttcgtc aaagtaaaaa ataatttgtt tcaactgaat ataaggcatg       240
tccagtttat gtcattttgt agaattattt ttgttttgct ggagactttt ctcttcgccg       300
gtcctgattt ttctttgatt ctctggattg ttcagagtat ctgctagatt tttcccatcg       360
tctctcggca ccattttgat atctatcttc atcacttctt gagcctgagt gctttctatt       420
catttccttt gactttgatc tatctttcct tctgaaattt tcactgtctt taattcggtg       480
tgtatgcttc tcattttcag aaaaagaatt tcttctctct cctctcttct ttttgggatc       540
accatgctta ttttccaaat ctatatgcat ttcttggtct ctgtcattcg caactctact       600
gtagttattt cgttcagaag gaacatcttt gtctgatgtg tactttgtta taggatctct       660
ccaatttgaa ccacttgaat tttgatctct gtgttttttct gaccttcttt ctctctcagt      720
ccttgtttcc tggtgcccgt gttcttgtct tctttctttt tgtttcctat catttgtttg       780
ctggtttctg atcaatttat ctacctcttt acttctggtc ttcccatgtc ccttctttct       840
tacatcatta gctgaggcag agctatgact actgatggat gaagagtcgc tctcttcact       900
ggaagactct gaactgctat cactgctgtc agaatcagag tcggatgagt cagactctga       960
agaggaggac gctgaagagg aagaggatgg ggaggattta ttttgctcaa catctggttt      1020
ctgcgccaca atgacctttg gtgtattttt gagatgctcc cgcagttcat ccgttaaacc      1080
tccaagacct atagaagtaa agaagttgat ggcaaaccga gtgtttcttg gattatctcg      1140
gggtaataat ccttcaaaga atggctgcag agtttcatcc tttaatcttg cattaagttt      1200
aggaagaccc atgtattcac acagttcctg gaaaaatatt ttgacaaaaa ttctactgga      1260
tgatgtagtg gtttcttcac tcagttttat acattcaaga acactccatg gaagtgaatc      1320
agtgtataaa aggtgagcaa acatcttagc aacatttcgc aacttgtttg tttccaagcg      1380
atggatggta tcatactgtt ctttgaatat accttcaaag gattccatgt actcctttct      1440
ttagcatgca aaatccgccc cagctattaa gccaaaaaat tttcgtatgt ctttggtggg      1500
cacaacaatc aagattcat                                                    1519
```


<210> 2872
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (331)...(105)

<223> similar to gi31725 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2872
ggcacgagct ggaagaataa ttaaagatct tttttgggt tttttttggg gggcctttag   60
caaaaaaaat taattattgg atggctggca aaaaaaaccc tatccttgaa ggcttggcat   120
aagggccagg gacctaaggg gaatcggggg gacggggcat gggccactcc agcccccatt   180
tttggccaga aacccggccc ctaggggga aattttgcc caaagggctt ggcaaaaccg   240
gccacaaccc ctttaccagg gacctgaaag tcttagggta ccactggccc cttgacacca   300
tgcagtgact cagggggaa aacggccccc cgaaactc   338

<210> 2873
<211> 5533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(5534)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5535)...(3751)
<223> similar to gi5689507 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2873
tttttttttt ttctttgaat gtttactaag cagtcagaag gtgacttact ccattccccc   60
aagttccaag ncccctgagc atagaggggt ttaaggggtt agggaggagt accacaggac   120
tgaagaggaa gtagagttaa gggcttggca agttgcccac tcctatccct cggtctagct   180
gcctcagaac taaaggaggc ctggaactaa caagtcactc cccttcccag attaagatga   240
agccagctgg cctttggatg cccccaggga agaggtggtg gcagcagtgg catgagggat   300
ccctctgtaa ctcccacatg cccaggtcat ctgcactgga ttagatgtcc atttcaaatt   360
gtgcgtcatc gggtatctct tccctctgtc tcctgctcct ttcagctcct ccagcttgga   420
gagaggggct gttgggagga gttgtgaccc cgggaatctg agggaggcag caggggggtg   480
tccgggcaat gggtgagttc ttgcactcca gcaagaacct tttcgtcgta gatgattctg   540
gtgcctctgg ttaggagagg ccaccatcgg ccgtccaatt ctcttcttcg gtctggttag   600
ctgaggtgat gggatttccc ctttgagagc agggactgaa ggaagcagac tggcctataa   660
aagggcaagt cagcacactg tagccacaat aggtttaaag ggtcttaaaa cattaataat   720
tttattggta gcggaatttt attacattga acacaagttg aaataagtgg gtccagaaac   780
cttgatgatg tagtttcatt cctatagttt catttcactg ggtttgatct ataccttagc   840
aggatgtttc ttcacaactt gaaggctcac taaagatgtg caaggtcttc ttctgcctcc   900
actaaaatct caatactggc ccccataata atggcaggat ttatttcgat tccttatcag   960
aaccaatgct aggggctctc aaatctcagc actgtaaaca atctaatggc ttcaaatatt   1020
tccatatctt atattctcat tcacaagaag aaatcctgtg ttagaactag aagactcttg   1080
agttcaattt cagatgagaa aagtgaaacc cagaaaggtg agatgatttg cctaaggcca   1140

```
taaagcttca agcggcagaa atgaaaatag aatttaggct ctgactactg actactgctc   1200
cactgtatcc atgctgtctc ctcccatatc ccttgtatat tttgaaagta attaagttct   1260
tacctgagct aggtttttatc caaatgttca ggttggtaaa atagcagtaa agtagtgcca   1320
ggaagaggca ggcagaggaa gaagagattt agcaggtgaa atgaggttgg gagcaggcta   1380
ctgggatcca aatagtcaga aagaaaggaa ggaagtgctg gtaagaagga agggaggagc   1440
gtatcctaaa gaactactcc caactataca actgttgttt tcctcccaat tttcctaggg   1500
attcctcata attatctcct ttctcttcat aaattctact tactgacctg aaataaaatt   1560
tctcatttgg ttgtcctcaa ggtgcagaat atggacttaa ggctcctcca gacaattcaa   1620
atgtattgta gacagttaag atagaataaa actcaccttt ttgtcccact gaataattta   1680
tttaatatta tttctcacta gtatatattt catcaagagt agtttcattc atttcaccaa   1740
ttttaggtga ttttttcttgt tgctgttaat ggtaagtgga aacagcaaga tacacaggtg   1800
atccaaggag tcttttgtgc cccacccaac tgcccccaca aaggtcaagg ggcccctaa   1860
tgatacttga tgtggttatc aatcactaca aagtagtagc ttcaataaac aacactttca   1920
aaatccattc aaaacaaaac ataagacata agcttaatta aggaagcttt ctcatatgta   1980
agatgatata gaagattaaa gaagcaggta tatctgacac agaacaaaca tggtgtgtct   2040
gatgtggtcc tggctttagg acctgggcag agaaaattaa gaattcctgt tggcataagt   2100
gtagaaaggt gctgctaata tagttctgtc cctagttact actctttctc tgtgcatcct   2160
tctttgcctt catatgagtt ttggcttctc catcagctcc aaacatttc ttgttttctt   2220
ttctgtattg cctatactga ccaggaaaaa ttcagctata ttaaaacaca aataagttga   2280
tgactatact tttcagtggg ataacttttc cttctctatg ctgattctcg gcatagccta   2340
tggtttggcc aaagcagccc attccaggt tcctctgttt agcttgttaa acatattgac   2400
tctccatgct tagggccatg gaactaagcc tggaattact cacatattta taaatattac   2460
tcagctgatt caataataca acagaatgac aggagtcacc tccttatgtc ccaactcata   2520
taaagcttaa aatatctata accagacaaa tctttcagat aaaaaaggtc aggaagcaca   2580
gaaggaacct gaagttgata atttgggtgt ccctacattt gtttagtgtc atctgattta   2640
aatccaattg ttcttattga cattctcatg atccatagag aaaaaaccta tcagtggcct   2700
atctgctagc taaagtcaga taagacacat tgccagagct tgaaactttc tcatatgtta   2760
aaggattatg gaagacaaca agggaacaag gaatgtttaa cacagaataa ataggtaaat   2820
agtcttaaaa gtgctttttt aaggcagtct aagaagggac tcaagtgtta aatgtgagaa   2880
gcctgttaca aatatagtat taaccatctg gttcaatata atgtggattg agtggtacct   2940
gcatgaccac tgaaaggatc acaccccact tctaaagact gttcatcttt ttattgaata   3000
ttctggtaaa tatttcacat taatacaggc tacattacgt agagccacta tatgacaaga   3060
aatttactca actttttcct tttaagtatg taaacaatta tacatgtatt tatcaccta   3120
aaaggttcga aacatgtaat caactaattc tcttctgcat acaagtagta ttctggtatg   3180
tttagccaaa aagcactaag gtcatatgaa tcttaagttc aaaatgggct aaactaccca   3240
gagaacataa tcagggtgga taggaaatca atttggttct tatacatggg ggcaatcaaa   3300
ttttccattt gctaaaagcc tcaggggaaa atttccttaa gggcacatta aaaaaaaaaa   3360
tcccccatgg gttcttccca aggtcatagg tttcttaaac aaggctaaag agtaaagacc   3420
ttctaactta ggttgacata tttgagatgc atggttccaa tatgaggtgc ccacgtgcca   3480
ggccaaatct gaaaagggg aggaaaaatt ggaatttcta attaggaatc tttagacagt   3540
tacaaaatga atatataaat gcaatggcaa ttcactgttt ctgcctagga agaatacaca   3600
tatattaaat aaagtgttca gtagcatcat cttgatattg aaaaagcaat ccagatcgaa   3660
atggtcaatt atgacttttg atattcagta cttatacttc tcacaaaaca aaaagaatga   3720
tgtgacaaat ctaaaaaaca aaagagcatt aagcccattt tacctgctgg gcatcagtgc   3780
attcagttga attttggata acttttatca tagggttcca agcaggatct ggattgtgaa   3840
gtccattaaa cagagggcct cctggaacat cagcaagctg aggatgagag ggtattatgg   3900
tgcctccata catggaaatt ggcagacctt tagaaaaatc cacaaaacca cttgccatag   3960
gctgatgaaa aatgttagag ggggctacca ttccagaatc atctctctcc attggctgat   4020
gttgggagaa tgtgcttggg tctgataatt gttgatgcat tggatggttc cccatcacag   4080
attgcgacca acctgataag ccttctgaca cagcattgac accaaatgac cagattccac   4140
tgtgtccaac gggagcgaca aaactggtcc ccgccggggc ttgtgcaaca gaccctcctt   4200
gccgaattcg ggccagtctc tctgttccaa ttgggggagg tatctttcga tcttgactgg   4260
cactgactcc ttttggttgg cccaacgttg gtggggcaga agtggctgaa agaggtgaag   4320
atgatcccga agaaacagat ggaataggag agtcacatga gtttgaggcg cttgtccaag   4380
gatgggagaa aaaatgttgt ctgttgaaac taggagtccc aacaggagct ggcccttgca   4440
ggaaaaccct tgttcctggt atgccggaaa aacttgccag aggagcagaa gaggaagatg   4500
gggagctgcc tgatgggtca atggatggta acccaactgg aactaattag aaactcgcct   4560
```

1690

```
gggaaaggtg gtctgaaacc caggtgcctt tgagttatcc agggtgccat gttttccaag    4620
tgtcccaagc cactgagtta ccccaggaaa cgctgacctg aacagtgaaa gaggcatctg    4680
tagcaactcg tgaggacagt ggaccatctc cccagccctg gttagctggc acctgactac    4740
tatcaaaaag actgctgaag tgattgaaaa gtgtggctgg gccaaatgta ggtggcaaag    4800
acttatttgc tgggtttatg tgcatctgag aaccattcat aatgttcaca gctgaagaaa    4860
cgtgcactgc agctggtggg ccttgaggtg gtgttaaagt aactggattc gtaacaaaaa    4920
tagactgggg atcctggtga atagttgcat ttggtaccat ggagtaaaaa gaacctctgg    4980
gctgcattcg atcgcaaggg ggaaactcga ggtgctggta cagctaactg aggtaaatta    5040
ctggtgtcct gattatcagc agcaaccatt tctgggtgat gtcaaagtca atggagcagg    5100
ttctgagtta gatgcaaaag gcattgacat aggacttaaa tcagacacac tggatggctg    5160
tgcctcctct tgtgtgttac tggaagtagg agtgggacta ctggatgggt gagtttctgg    5220
agctcccggg gtgttgctgg cagagctact gcaactgttt gcagttgaag atggggtaca    5280
taggtttgcc atgggctggt cctgtgtgga cactttctct ttggtgggtg gcacagcaga    5340
gaaagactcc atcttttgtg aagaaagctg tgcttgagga agtacttgca ggtaggaaat    5400
gtgggtgggg agcttgcccc gcttagtgat taggtgcaga gggagacaga aggccaggga    5460
actacaagtg cttgtcacag aagaaatcac tgttgctgga ggacttgtct taggcacaca    5520
ggcaaacaac tgc                                                      5533
```

```
<400> 2874
ggcacgagga gaatactatt cttaaagctg ctgaagtgca ggtcccacca aaatgagtag     60
taacacctga agcaaaggcg tttatttgac gatgtttggc ctaccaaaag gaggactgca    120
ttgatgccca gcaactggcc tgtgacccce tacttgctgc attatatcca aaaattggtc    180
tttgtgagta gccctgctgg ggctgctatt gcatcaacct ttggggtgtc caacagctgt    240
tcttcgaatt gagactgact ccaaggccac aaactgttca acacacacaa agtggacaaa    300
tagcatttag cagcaggttt ggaacgtaga gaatctgaat ggatctgatg aaacctgaac    360
caggtgctta ttttgttgct tttttcccat ccactgagca tgacagcatg gattctcttt    420
aaggagaaac catgggcagc tccagccagg cctcatagga aaaggcccgg catgaggttc    480
tggcgtcaat ggccactgtg tatggctgct ctgagtgagg aaaaaactaa aaagaaaaac    540
tggttccatg tactgtgaac ttgaaaacat gcagactcac gggggttcct gatgcaatgc    600
ttcagatgaa gattgtggac ttgaaaatac agactagaag gccgggcaca gtggctcatg    660
cctgtaatct cagcac                                                    676
```

```
<210> 2875
<211> 1315
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1312)...(388)
<223> similar to gi4929607 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

      <400> 2875
tttttttttt ttgaagttca tcatctttag acttaaggaa ttaacaaggg tcagggagac   60
tacaccaggc tgagggcttc ttggttcctg gagacatgcc cagctacagc aaacacaggg   120
aaacacgaag ggggcagctg gaagatttgg tcttgaactt ggggggtggg taagtgatga   180
tccccacgac tggagcagca ggaagaagtt gtgtctgagg aagtgctggg ccgcccagag   240
ggacagccct gccctggagc ttgtcgccgg gagggaaggg aaacaagccc cctccctcag   300
tgctgaggaa aaggcacttg gctgggtctc ctcctgccct ctccccatcc gtgggagaga   360
cggggtcctt gcctccttgc ccctttcagc cgcccagaag ccggtcctgg ttcagcctct   420
ggaagaagct tttgccgaac tcataggtgc tgatcatgat ggcacaggag ggggcagcct   480
tgatgatccg aggaaggaag cctgcaaaga gtcccttggt gcccgactcg gcccggatcc   540
tccgcagcag cagccaggtg gagtccacat gcagggggtt cactctcaca gcctccatcg   600
ctcccagagc gacctggcgt tgggtcttta ccacgtcaaa gggtagagtc agcactgcag   660
ccaccgtccc tgagatgcca ccagccacaa agctcatgcc cacagaagtc tggtccttcg   720
gcctgagccc attgagccag ctcttcacca gctcatagtt gaaccagtac agggcttggg   780
gtgggggatg cactgagaag ggcacatctc gaagggcagt ggggccccag cccagccaca   840
gtgagcgcca gccaccctga gccactgcag ttcgaacaca ggcacccagc tcccggtacg   900
acacatgctg agcctgcagc tttgtccgca taagctccag ggggctgatc acagtcacgg   960
tgcccactgt gtggggattg ggggtgacaa tggggagaag tgagatcaca ggtcttacat 1020
ggcatcacct acctgctgtc ccaggtctgg ggacctagaa cacccccta tccctaggct 1080
ggcagaggtt ggggctggga gctgggactg actgggtttg ggcagaggtg gggacagagg 1140
gaggtcaaag gcccaagact atgctcacgg cgggccagcg cgccagccac catgggtgcg 1200
tagaggtcag aggtcagggc tcgaccacac aggaaggcct tcagttggtc ataggcagtg 1260
aagtagatgg cggtagctgg cacagtcatc accagggtgg cggggagctc gtgcc   1315

      <210> 2876
      <211> 1218
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (11)...(858)
      <223> similar to gi340444 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters

      <400> 2876
cccacgcgtc cggccataca aatgcaatga atgtgataaa accttcagga agaagacatg   60
cctcatacaa catcagcgat ttcacacagg aaagacttcc tttgcatgta ctgaatgtgg   120
aaaattctct ttgcgcaaaa atgatcttat tacacatcag agaattcaca caggagagaa   180

1692

```
accgtacaaa tgcagtgact gcgggaaagc cttcactaca aaatcagggc tcaatgttca    240
tcaaagaaaa catacaggag agaggcccta tggatgtagt gattgtggga aagcttttgc    300
gcacttgtct atccttgtta aacacaagag aattcacagg tagtcatttt gggaaagcct    360
cttgccagat gtaggccctt aagatatctg caaagaagag taatttcatg aatgcagact    420
acatggttgt ttatttagtg atcagttact tcatgttttg tgtcagagaa aacatgtaca    480
aaacatttga gaaaatattt taggacatta tgtctaaaaa ttgtatactg agaaaaatcc    540
tatgaatgtg gcagactata aaagcctttg gtgggaagat aaaccccctc agaagtgatc    600
atagatcatg aataaactac taattcgtgg aaatgtaata attataggaa cgtctttgcc    660
caaaaataaa acctcaacag attgagagag ttcacactgg agaaatactt tcctctggca    720
gtgaatgtgg cagggttttc agtaaaatgt tttgcctcat cgtgtgctag gaaataatgc    780
agaaaaaaac taatgaaaac attcaatgta gaagactttt aggaaaacaa cagagaattt    840
aatgaaggaa agaagccttg gcaaaatgat ggatgagagc tttctgtcac aattctaacc    900
ttaacagata atatgcctca tgtgcatttg ggaacaggat agcttgagcc atattcctag    960
ttgccttgtc actgatttta tacattttaa attgtgactt cctctaatca cgaactaaaa   1020
tttaatattg tatataatac cggagtattt tatgcctgcc tcattttatt atatgattag   1080
ctcctgcatt tctttagttc taagtttgtg ttatttcaga ataactaaag tacttcagaa   1140
tgaaactgga tacagtatat tcaattcata agtgtaattg accatacttg aatatgttta   1200
agtttataag taacatct                                                 1218
```

<210> 2877
<211> 2113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1376)
<223> similar to gi5360087 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2877
```
gagttacaaa atatggacaa agaagatgca ttaatttgct ttgaagaaca cattcgggct     60
ttagaaaagg aggaagaaga agaaaaacag aagagtttgc tgagagaaag gagacgacag    120
cgaaaaaata gggaatcttt ccagatattt ttagatgaat tacatgaaca tggacaactg    180
cattctatgt catcttggat ggaattgtat ccaactatta gttctgatat tagattcact    240
aatatgcttg gtcagcctgg taagattatt ttctttccta atttaccgtt atggtagtag    300
ttgaaatggg ccaaatgcaa aggtgattgt gttgggggaa agggtgcttt attttgtttt    360
tttaaacaac aaagtaattg cagctctttg gttagagcta gcttttgact tctttagttt    420
tttcattagg atcaactgca cttgatcttt tcaagtttta tgttgaggat cttaaagcac    480
gttatcatga cgagaagaag ataataaaag acattctaaa ggataaagga tttgtagttg    540
aagtaaacac tacttttgaa gattttgtgg cgataatcag ttcaactaaa agatcaacta    600
cattagatgc tggaaatatc aaattggctt tcaatagttt actagaaaag gcagaagccc    660
gtgaacgtga aagagaaaaa gaagaggctc ggaagatgaa acgaaaagaa tctgcattta    720
agagtatgtt aaaacaagct gctcctccga tagaattgga tgctgtctgg gaagatatcc    780
gtgagagatt tgtaaaagag ccagcatttg aggacataac tctagaatct gaaagaaaac    840
gaatatttaa agattttatg catgtgcttg agcatgaatg tcagcatcat cattcaaaga    900
acaagaaaca ttctaagaaa tctaaaaaac atcataggaa acgttcccgc tctcgatcgg    960
ggtcagattc agatgatgat gatagccatt caaagaaaaa aagacagcga tcagagtctc   1020
gttctgcttc agaacattct tctagtgcag agtctgagag aagttataaa aagtcaaaaa   1080
agcataagaa gaaaagtaag aagaggagac ataaatctga ctctccagaa tccgatgctg   1140
```

```
agcgagagaa ggataaaaaa gaaaaagatc gggaaagtga aaaagacaga actagacaaa    1200
gatcagaatc aaaacacaaa tcgcctaaga aaaagactgg aaaggattct ggtaattggg    1260
atacttctgg cagcgaactg agtgaagggg aattggaaaa gcgcagaaga acccttttgg    1320
agcaactgga tgatgatcaa taaattatac caaatatatg tttacagtat gatttaaagt    1380
ctgattcaga ccaggggactc tattttaagt tcaactgaaa taacactggg ttttaattat    1440
atcacaggaa aaaaaaagtg catttaagta ttgttatcgt ggactttata aaagcaaagg    1500
aaattgaaag taacttttga ttctgtatca agaatcatat tttcatacag tcataactgt    1560
ctttctgtga ccctttcaca gggcactgta ggatggatta aaggtggcaa tttactgata    1620
actgcagatg tctctacttt gttctaaaat ctaagtcatg aggtgatttg atttacttta    1680
tagaagctgg attttgaaga tctaatgaaa aattttttga taatatagta gtacaaaaaa    1740
agcaccagca actgataaaa attgcttttt tgtgcgctac ccaactggtt aaagccaatg    1800
tgatctttta tggtgaaact cctaagaaac aggtggtttt gctggaaact tggtagaccc    1860
ttaattatag tggtgctaat gagcactact gtaatataaa gccaccatta ttttttatca    1920
aacatctgaa tacattttac aaaggctatt gtgagggcat tattttgagc atctattttg    1980
aggtgatgtt taaaaaaact ttaacatcaa atcaaattgt aaattaattt aaatatattg    2040
ccttaaggac ctactaaaga atgtgccacc agactttaag tgatagttgc aatatccttg    2100
tctaaaaaaa aaa                                                       2113
```

```
        <210> 2878
        <211> 4352
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(4353)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (4353)...(2201)
        <223> similar to gi3327204 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 2878
tttttttttt ttaaataaaa gttttattcg gagaaaaata gaaccaccac gtacacaggg     60
ancaacaaga gcacaaaaat tcaactgata cagaacaaca actgaaattc accaattatc    120
ccaatgtagt ttgcaattac ttttcagttt cttaaacagc tccccctcaa cttttttttt    180
tttaacagtc ttgctaattt ttcagctgaa acagcatcaa gttttcaaag aattaagagc    240
cctcggggag gggacccgc ttttcaagat actgaaggtg acatcaagag tctcctccta    300
acagggacca actcctatcc taaaagttgc ttacgaagta acttgaatct tgtggtttta    360
aatagtccta catctccaca gaccatccag gggatgagtt tagaacactg ttggttggat    420
gggtcccggt atgaagagag gggtaaacca aataggctgg catttgcctt gtcaagctga    480
gccccatata aagaaatcca gtgaaggaag ctgaggaaaa tataggcaat ggctggctcc    540
aataaggatt accaagttcc gaataccaca tatagttaga caccagtgtg caagttgatg    600
caactagaaa gaaatagacg acttttaaa atacctggcc acaggtcttt gagaactcaa    660
gcaaacaatc aacagtagac acaagagtca aaaatcttct caggttgaag attaggacat    720
aggtaatctt cctaacggct ccaacaggca aggaaatatg ctgtggcaaa aagcattaag    780
tagttctgat ttttaacgag cataaacaaa attttctgct tctcctccct tcaaagcttc    840
aaggaaatag aaacaggaa acaaaataaa aacaaaaaaa aatcagtgac agtaaagaga    900
```

```
agcctttgct tgaattatca attcgaaaaa cagtactttt gccattttgt atatataaac    960
aatcttggga cattctcctg aaaactaggt gtccagtggc taagagaact cgatttcaag   1020
caattctgaa aggaaaacca gcatgacaca gaatctcaaa ttcccaaaca ggggctctgt   1080
gggaaaaatg agggaggacc tttgtatcta gggtttttagc aagttaaaat gaagatgaca   1140
ggaaaggctt atttatcaac aaagagaaga gttgggatgc ttctaaaaaa aactttggta   1200
gagaaaatag gaatgctaaa tcctaggaag cctgtaacaa tctacaattg gtccaagttg   1260
aagacaaaac tgtccaaaca acatttaaag tctaaagtat gttgaaaact agttgcaaag   1320
tttttgctcc tgtaacaatt tacaaaacac gttcattttg gtctcttttg caattttctt   1380
attgtattca tttttaatat aaagagttgg attttctct tctatgatgt tcctctagta   1440
caactgatca ttaattttct actttagcta tttttataag tacttgttaa tcagcacagt   1500
taacttgggg ctaagccata tacacacatc ccatactcat aaatgaaaat ttttaggatg   1560
tgaatataca agatattatg taagcaactg tccccctact tgaaaacttg tttccaaata   1620
attttttttta aaaaacatcc ctttcagtgt aacagaacat cacctagtaa aatatcaata   1680
gctatgacaa ttcatttctc ttttcaaggg aaatcacaaa acgggtgaac aaccaagtca   1740
agggtggttt ttctatttga taaatacatc cagaactctg tacagtaaat aaagtttgca   1800
tgcagtttaa gtatctttaa atgacatttt aagcaaataa accttttgct tcataattaa   1860
tggtgtgtaa gaaccctccc cccttttttaa tagccacagg gatctctttc ccagttccaa   1920
agaggaattc atgaagacca ggtacgttct taagtgtttt ctgcccatca tactaaataa   1980
catgcaaaga gttcaacaac attcttctta aaggtaagta ttactcttta aaatgggcat   2040
gttaaccaat gagaaaaagt ccactcaact atttccatta attacactgc ttcatttggt   2100
catcggtagt aaaaaaggag tcaaataata ttgaatcaac aggttagttt atccactggc   2160
tactgcatat gacaccaaat gctgcaaggc caacattcta tgcaatatag ttgtactggt   2220
ttggattttc tttatctctt tccatgtagt cccggtcaat taaagattct attctcttct   2280
taagatcagc aggctttact ggaaatttca actggttgta cacttctgaa acaaggagat   2340
tgtggctaag tgtctttctc atcttcataa ttcgaacaat tgcagcatca atttgatact   2400
gtctgtcttg aaatactctt tctgtagtgc ttgcttgttc ttcaaccgtt tctttcatct   2460
ggatttgatt gatctttatc ctgaaaagtt tatgtttgaa atcatcatta caaatgaact   2520
tgtcaccatc ttcaatgtct ttgccctttg gatttttcgc cagaactcta gctttgccac   2580
aggctaatga ctgcagtgtt ctccttaact ctccatcctc tattccagtt gcctgcttga   2640
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gagagacctg gagttccttt ttaccctctt taaattctgc ttttaacaca cagtgtccta   2760
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tctcctgaag ttttaccatc tctggtggta aatgaacttc cataggcaca tatgtcggcc   2880
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acattttctc aagttcttca tctgtagctt cttttgttgcc tgcacgaagt tttgaatcta   3240
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caaccttatc tttaaaatcc agcaattctt gaaccatggt tttatctttt tcaggattaa   3420
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tgttttttcta cagtagcaat taatgacttc tgggtggtct gatctaagta agtaataagt   3660
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tgttcaaaag aatcttgata aatttgcaaa tcagacagca tgcttaaaag cttcgaagt    3840
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tttaaaaaaa gaacgctatc caatgaatcc tctctgaatt gatgaatctg tgctttgatg   4140
tgatcttcgc agatctgtct cagctgtttg tacaagtttg cagaaatctt gtaagaacag   4200
agattttcta cagcctggta gagttcttct aaattgtact taattgaagt actattctga   4260
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                                        1695

<210> 2879
<211> 5153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5154)...(262)
<223> similar to gi1184692 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2879
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acaaaaaagt gtttattaaa aggggaaata tatagtaata tgtttaaggc acatggcaaa    120
cttttggcat taaattgcaa gaaaaaagaa atacaaatta tcacaataaa tttcagaatc    180
tgtttcttta gtccaaatag tttttttta aaaaagtctg aacaggcagg cagcagttca    240
ctaaggaagg gcacatcatg ggcttgggta tctccgtggc gagagccact tgctgcctgg    300
ggggtactcc caggatcagg caggggctcc actcacatgg gacattcagg ggagcgggat    360
aatgccctgt tgaggggatt ttcccccaca aacgtccaac tgttgggtcc agattttgct    420
gggaatttcc ctcacgtttc attttcccaa acaagaggca gagatttctc agggaaagca    480
attattgggg ttagggtcta aactttttggg cagtttgttc cactccaatg atggtataac    540
cttctgtttt cttctgctgc agataatcaa ttagctgagg tggttttacc tccactagag    600
gaagccactg ttctgcagag acactgaggt gctgaaactg tttgtcgctg atacactgaa    660
ggctgccaac aacgagcact gaagccccaa atacctcaca ggtcctgcac agtcctccta    720
aattggtcgg tttgtcgatg agcgaggcca caacgatgag tctactaatt gactttccaa    780
gtctggcagc acgatcctga aacaggagct ccaggtctaa gtcggaaaca cgactgttcc    840
acgggataat cttcttctga acgtcggtcc actccgcttg gttatctgct tcgaccaaat    900
tagtacctat gtcttgctga daccagtcac ctggtttttag tttactaagt tgagtttgag    960
aaaggtacca ctgaaatccc gcagctaaag gaacatcagt gaatctggta aatttatcaa    1020
tggtgatcca ttcatcttca ataaggcctg aaaggcgtgg aaggatgtaa aatatggtct    1080
ctagacaata atccttgagt gggtgaaatg ttgcaaaaaa gaaatgctcc tgaatgcgtt    1140
gccaattctt cttggcattc cctgctccgt gcatgctttc cacttgatgg aggctggatt    1200
caatcacagg agtcagggca tcaaattctt caacacttaa cactttacac acagtccaga    1260
gtttcttaag agcaactaaa gcatacagtc gaacactaaa attgtgattg aaacaccact    1320
gcagcacaac tataagggct tgcttcagaa ttagtttctt ttctggaata ttttgagtaa    1380
taatgtctaa atgtgataaa actgctaaaa acgtacaaat gcttgtttta agattttctt    1440
caccataaga aaacaatcc cagaactttg gaagaaattg agggaattta tgaagaatca    1500
atataataat ccattctata aaatatttta tggatgcttg attgttggtg aaaaccagcc    1560
tggaaaatcc tgtcaaataa ttccattcaa gaaattctgg tcaagtctag gggatagtaa    1620
cagcagagtc ttgcacactc ggttttttcac tctgtgctgt agagaattca catagtagcg    1680
ttttttggcg ttggacgata aatcctcttt aactaatagc ttgattgcaa gatcctcaat    1740
aaacaacttg tgggacatat tggagccatc taataaacac aggaatttga cagcacaaat    1800
tctcacataa tggtcttctc tcttagtatt ttccataaca atatttgccg cacagtcatg    1860
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tccttgggac acatttgaag cagacactat ccaagactga cagcagtaac ttatcagtgt    2040
attgaagact ccagtctta tagcagacat ttcaattatc ttgtacataa tctctttat    2100
tttgaaatat gcctggccct tgattttggc agcaatggta agaactttgt tatcaaaaac    2160
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aaactgaaca aaagctttta aattagccca gaatatcagc tgagtgttgc ttaaagaaga   2220
tataattttc cacgccatgt caaaagactc tatgcagagt gattcagagg aagtcagaag   2280
cttgggaacc aacactttca agcaatggaa cactggtaaa acttgatcag aagaaagaac   2340
tgtgagggct tctagtgcag actgcaaagt ccttattggc atctgaacgg caggtagaaa   2400
cggttccaga atttcactcc ctgtggttgg tataagggtg tgatattttt tcaacaggaa   2460
agagaggcac acccattgat catgaatata ttgtgcaact attttttcccc atccttggga   2520
agatgacgat tcttccaaaa cactgctgca ctccaagggg tgagcataac tgctctgctc   2580
ctctgcgtgg ggcttctgca gcgtctgatt gagctgaaga gaggaaagga agctttccag   2640
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catggccaag gcagccatgc tcactactct ctgaatctga cttccaactg ttggctcctg   2760
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ccagataggg ttaccccttt tccacccaac cttcaaatgc agatttataa gctcagttaa   2880
caccatcagg tataaatggc aacgatccag atctgaaaca ctatttagct cattcatagt   2940
aagtcttctg agaataaatt cagaaatgct ctctgtagta gacatgaaaa agttctgaag   3000
aacagtagac acctcatcat cttgggcact ggaacctttc aacctgcatg tgttcaacag   3060
cttcaacagc agctggaggc atctgtcagt cttcagcaag ggcatgtagg cattggtact   3120
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aagtccaatg gagctacacg taggggatgg cttaaaatag ctttcattaa cacgtagcca   3420
gtcacacagc tctgtccaca atgaagttcc tcgtcctaag gattcctctt gtctcagaga   3480
catgagaaaa gttgagacat cagaaagtga cacttatctc cacatctagc aaattcatag   3540
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gtcatcttcc gaataaactt caataggaag ctactcttta tttcttctgg aagaagagaa   3780
atataagtga ctaaaaactt ctgtaatttc agtcccaatg gagaacagct tcctattggc   3840
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tggataacac cttctttgga caggattttg ttttcacttt caaacattct tttataaata   4020
cacatatgcc aggatgggtg aaagagccaa catccatttt cctctgacac cgcatattca   4080
aacagattgt ttagctttgg taaaactggc tttataacat gtatctgatt tccttctaaa   4140
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gaccaccaaa acagacttgg gccgtttcct tcctggggcc cgcaggtgca gtcggccccc   4260
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ggcccgtcct cgcggggccg caaacatggc ccgacggctg ctagcacttc cacggcagcc   4740
tcggcgccag gcgcgcgcca cccggcgagc agatcgcgca gcgcctcctc agccagcgcg   4800
gccgccagct gcggacgccc ggccaggcgg acgcacgagc gcagggccgc gcccgccgcc   4860
ctcagcacgc gccggcggtg gcgaggctgc agactggggt ccgggccgcc cgcggggcgt   4920
ccgcgcaggc tccgcagcag tggcacgagg taccctgcag ccacctcgcg cgccgcctcc   4980
gggagcgcgc ctgcgccccc gctgccgcgc gcctcctcgt cctcgagccg ctgcagaagg   5040
aagcgcagcg tctccacgcg ctccgcggat gcctcccctt ggcacagcgc cccaagcagg   5100
gcccgggggt cccggctctg cgagagcagc gcttccgcga gcacccactc cat           5153
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<210> 2880
<211> 2142
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1851)...(1543)
<223> similar to gil1872200 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2880
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caaacggaga aaatcaggcg atgataaaga taaaaaagaa gatagagatg aaaggaagaa   120
agaagataaa agaaaagatg attctaaaga tgatgatgaa actgaagaag ataacaatca   180
agatgaatat gaccctatgg aagcagaaga agctgaggat gaagaagatg ataggatga    240
ggaagaaatg accaaacgag atgacaaaag agatatcaac agatactgca aggagaggcc   300
ctctaaagat aaggaaaaag aaaagactca aatgatcaca attaacagag atctgttaat   360
ggcttttgtt tattttgatc aaagtcattg tggttacctt cttgaaaagg atttggaaga   420
aatactttat actcttggac tacatctttc tcgggctcag gtaaagaagc ttcttaataa   480
agtagtgctc cgtgaatctt gcttttaccg gaaattaaca gacacctcaa aagatgaaga   540
gaaccatgaa gagtctgagt cattgcagga agatatgcta ggaaacagat tattacttcc   600
aacaccaaca gtaaagcagg aatcaaagga tgtggaagaa aatgttggcc tcattgtgta   660
caatggtgca atggtagatg taggaagcct cttgcaaaaa ttggaaaaga gcgaaaaagt   720
aagagctgag gtagaacaga agctgcagtt actagaagaa aaaacagatg aagatgaaaa   780
aaccatatta aatttggaga attccaacaa aagcctctct ggtgaactca gagaagttaa   840
aaaggacctt agtcagttac aagaaaactt aaagatttcg gaaaacatga atttacaatt   900
tgaaaaccaa atgaataaga caatcagaaa cttatctacg gtaatggatg aaatccacac   960
tgttctcaag aaggataatg taaagaatga agacaaagat caaaaatcca aggagaatgg  1020
tgccagtgta tgataaaatc catgtagtga tgaggaatgg tgttaaataa tgtaatatat  1080
aaaaatcatg atataagaat gtttgaaggt gatgcatgtt tgattttagt agtataaatg  1140
tattttagtt caaatgatgt ataaagtttt atgaatgtga gtttctgctt ttgaaaattg  1200
cttgtaattc ctagccttca aattattaaa cactccttga gtgaaataat tttgcattgc  1260
aaagtgtttt aggatgaact ttgttatagt tttaactcca ataaagttca tcagtttaat  1320
tgactgtagt atttaattac caaatttctt ttattaaaat gcctagaaat ttttaattta  1380
tagaattatt aggttttaaa atttttagtt catctgttaa aatttcagtc aaaatcataa  1440
aatagcatga tgcttaattt ttgcaagttt tttgaaactt tttgtttttt ttactcatca  1500
ccaaaaaatc ccctcttgat cagtctctaa aagcattcat taaaaattca gttcaggccg  1560
ggcacggtgg ctcacacctg taatcccaac actttgggag gccgaggcag gtggatcacc  1620
tgaggttagg agttcgagac cagcctggcc aacatggtga aacccggtct ctactaaaaa  1680
tataaaaatt agctgggcat ggtggtgggt gcctgtaatc ccagctactt gggaggctga  1740
ggcaggagaa tcgcttgaac ccaggaggcg gaggttgcag tcactcagga tcatgcagct  1800
acactccagc ctgggcgaca agagtgaaac tccatctcaa aaagaaaaaa aaaaaaaatc  1860
agtttatttg aaagacagta tatcagaaag aaagaagcaa tagagaacta gtattgttct  1920
ttatgggtta gactttacat aatattagtt gtcctgatgt caatgttact gctttcaatt  1980
aatttttcta ctttcccaga atagcatcta tattcctttt aattttgagg gtttaaaaaa  2040
aaatgcagtg tatgtcaaat ttacagttta gtaccaagcc agtagatgtc agtatgatgc  2100
cttaaattaa gtcttcttta attaaagata ttttttttaaa tt                    2142

<210> 2881
<211> 1327
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)...(1141)
<223> similar to gi2772914 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 2881
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gaaggtgacg ctacgcgagc gagtgggccc cgccctctac gggggcactg gcgcggaaac     120
tggccctgaa gtggggtctt ccccggcgga tcctggagtc ctatttcctg tttaacttct     180
taggatcttg ctcattgacc cttgctgggg cgaggctctc tggactgaac acaggccagg     240
agctccaagc ccagcaggaa aggtattgtg aggcccaagg ctccccacca ggccttaagt     300
ccccagagag gttccagagg gttcagcgcc cagacagaaa aagctcgaaa cttcctatac     360
aagccagagc tctggagagg aacagaccgc acatgtcaga gcccattaag catttccatc     420
cagcctgaaa aggccaggag agtcaggcca ccagggggcg ccagagaacc acaggagatc     480
caggaagcgc ttgctaggac caagctccca gctcccagga cccccaggcc ggcagcggag     540
tccaggagct ggtgtggccc acaaagggtc ggagagcctc ccagtgagaa cagtaggggc     600
aggaaaatga tcaggtcaag ggtctcccag ctggcagaga gggctcccag cagagtgagg     660
acttcattct ctagggcaga ccacgcccac tggaggaagg aatgtacatc ctgggaggcc     720
tctaagctcc ccagactcaa atgccagcag ctcacatact ggagaagagg aagcctggaa     780
tttacagggt gcagaggggc tgggcagcag ccttcctgcc attctgcaga acctgtcagc     840
ttcaaaggga ggctccactc tgcggtggca aagctgggcc tgacccttct ggccaagatg     900
tcctggtccc cacagctcgc caagcgcaag cacttggccc ctaacctgag cctgagggaa     960
cctgattcta ctctgcctcc ccaaagtggg tgatccctcg tgcaggggag gacagcatcg    1020
gagattcaca ctgcttcaca gagggatctt cagctgcaag gtcactgctg tactggggcc    1080
cacccttccc taagacagag agtcccccag ggccaggagg caccctggga acccaaatgg    1140
ggctccacag aatacacgag cctccaaaaa gtttagtatt atgaagcatc tgaatttttt    1200
tctcttccag aatggcttta aaaagtagac tcaggcccag agtcctcagg acatatcaga    1260
aaagctttga gagtgtcctg atctctgcaa agcctctaat aaattggtca tttgggcaaa    1320
aaaaaaa                                                             1327


<210> 2882
<211> 1502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1145)...(629)
<223> similar to gi1707154 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 2882
tttttttttt ttttctattg cttaatagaa aacatatttt tattccgtac tttaaaaata      60
tagactttct agcaacttat aaatttctat tataataata aattgatact ttgagccaag     120

1699

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aaaacaatat aaccaaaaat tcatttgttc cctttgttta ggggtgtttt acatttatgc    180
ataattttgc ttttataaaa gatgattgtt acaatcaggt atacaactac ttggttatgt    240
ctaagttctg tctcttaaaa tatgttcttt tagagaattc atttaatcat cttattcttt    300
tcttcaattt tctccaaaca gtggtagaag tactatttga tagacagaat aaagaaaatt    360
gttttggcc acacccagat catactgata tctacagcat agtcctggct acaggggagc    420
tcaactctaa ctcgtgaagc gggcctggtt tagaaagtaa caatgaggta gtaactcatg    480
atagtgctag ctgttatcaa aaattaacaa ctttaggtat ttttgttttg ggtttttgcg    540
gtttaggtac atccaaaatt tcttcatagt ctgcactcat tcccttttgcc cagcgaccaa    600
ctgtgaccat tcgctctgaa ttctgacttt cagggcaatc tttcttaaa tgttccacag    660
agccacaaag tttgcaaccg ccaccatcag catagagtcc tttgggatta tcaggacaag    720
atctagacag gtgccccatt tctccacaaa caaaacattt tgcaaaagga aattcgccaa    780
gagccgggtc tactttagcc ttacacttgg ttatttcgtg ctctgtggac ccacacctgt    840
aacatatccc agtgcccatg tcttgatttt caagggcggc ggggcaatct gcaattccat    900
gaccaggttt tctacaatgg aaacacacca ttgcattttt ctttgccgct tgtctttta    960
atcttcttcc ttcccgtcga ctgtctttct ttaaagcaac tgcaatttct tcccttactt   1020
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attccatgaa tccattcaca tcttcattta agtactcttt tttctttttg ttctttttat   1140
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ttggtaggtt ttggcttgtt ccctcaaagg atcccttctt catgtcctcc catgatgttg   1260
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cagtggtacc ttatcaattt ttaagacaag caggggtggt tagccatcaa caacaaaaac   1380
aacaaaacta aagagacatg ctatatcact atatgtcaca tatgcccata tgttaaactt   1440
ttaattatta aaacacttt tatttcagtt agatatctgt atacatattt aatggctata   1500
at                                                                    1502


        <210> 2883
        <211> 1188
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1084)
        <223> similar to gi5106956 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 2883
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atagaccagt tggagaacaa taaaaccttg ggctttatcc tgtctactct cttagccatt    120
gggaactttc taaatggaac taatgccaaa gcgtttgagt taagctacct cgagaaggtt    180
ccagaagtca aagacacagt gcacaagcag tcgcttctcc accatgtgtg caccatggtg    240
gtagaaaact cccagacag ctccgatctg tactcggaga tcggggccat caccaggtca    300
gccaaggttg actttgatca acttcaggat aatttatgtc agatggagag aagatgcaaa    360
gcttcatggg atcacctcaa ggcaattgca aaacatgaaa tgaaaccagt tttaaaacaa    420
cggatgtcag agttcctgaa agactgtgca gagcgaatta taatttaaa gattgtccat    480
agaaggataa tcaacagatt ccactccttt ttactcttta tgggccatcc accttatgca    540
attcgggaag tgaacataaa caaattctgc aggattatta gtgaatttgc actagagtat    600
cgcacaacca gggaaagggt tttgcagcag aaacagaaac gggccaacca cagagagaga    660
aataagacca gaggggaagat gatcaccgat tctggcaagt tctccggcag ttctccggcg    720
ccccccaagcc agccgcaggg tctgagctat gcggaggacg cggctgagca cgagaacatg    780
```

                                    1700

```
aaggctgtgc tgaaaacctc gtccccctcc gtggaggacg ccaccccgc gctgggcgtc      840
cgcacacgca gccgagcaag ccgaggatcc actagttcct ggactatggg aactgatgac      900
tcgcccaatg tcacagatga tgcagctgat gagatcatgg accgcatcgt caagtcagcc      960
acccaagtgc ccagtcagcg agtggtgccg agggagagga aacgatcccg ggccaaccgg     1020
aaatctttgc gaagaaccct gaagagcggc ctgaccccag atgaagccag agccctgcgc     1080
ttggttggca cctctgagtt gctggtgttt ccgttataag ttattcctat ataggtctca     1140
gtaaatgtgt cattttttt gttctatacc tgttccgttc ggtttctg                   1188
```

<210> 2884
<211> 2201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (110)...(1633)
<223> similar to gi3881665 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2884

```
agaaatgact taatcgtctt tttggcagac cagaatgcac ccgtattta aacccaaagt       60
aaaggtatct ttcaagaatc acagtgcatt gataacaagt gtagtccctg gggattatga      120
tggagattct caaatggatg tccttctgac atatcttccc aaaaattatg ccaagagtga      180
attaggagct gttatcttct ggggacaaaa tcaaacatta gatcctaaca atatgaccat      240
actcaatagg acttttcaag atgagccact aattatggat ttcaatggtg atctaattcc      300
tgatatttt ggtatcacaa atgaatccaa ccagccacag atactattag gagggaattt      360
atcatggcat ccagcattga ccactacaag taaaatgcga attccacatt ctcatgcatt      420
tattgatctg actgaagatt ttacagcaga tttattcctg acgacattga atgccaccac      480
tagtaccttc cagtttgaaa tatgggaaaa tttggatgga aacttctctg tcagtactat      540
attggaaaaa cctcaaaata tgatggtggt tggacagtca gcatttgcag actttgatgg      600
agatggacac atggatcatt tactgccagg ctgtgaagat aaaaattgcc aaaagagtac      660
catctactta gtgagatctg ggatgaagca gtgggttcca gtcctacaag atttcagcaa      720
taagggcaca ctctggggct ttgtgccatt tgtggatgaa cagcaaccaa ctgaaatacc      780
aattccaatt acccttcata ttggagacta caatatggat ggctatccag acgctctggt      840
catactaaag aacacatctg gaagcaacca gcaggccttt ttactggaga acgtcccttg      900
taataatgca agctgtgaag aggcgcgtcg aatgtttaaa gtctactggg agctgacaga      960
cctaaatcaa attaaggatg ccatggttgc caccttcttt gacatttacg aagatggaat     1020
cttggacatt gtagtgctaa gtaaaggata tacaaagaat gattttgcca ttcatacact     1080
aaaaaataac tttgaagcag atgcttattt tgttaaagtt attgttctta gtggtctgtg     1140
ttctaatgac tgtcctcgta agataacacc ctttggagtg aatcaacctg gaccttatat     1200
catgtataca actgtagatg caaatgggta tctgaaaaat ggatcagctg gccaactcag     1260
ccaatccgca catttagctc tccaactacc atacaacgtg cttggtttag gtcggagcgc     1320
aaattttctt gaccatctct acgttggtat tccccgtcca tctggagaaa aatctatacg     1380
aaaacaagag tggactgcaa tcattccaaa ttcccagcta attgtcattc caccctca       1440
caatgtccct cgaagttgga gtgccaaact gtatcttaca ccaagtaata ttgttctgct     1500
tactgctata gctctcatcg gtgtctgtgt tttcatcttg gcaataattg gcatttttaca    1560
ttggcaggaa aagaaagcag atgatagaga aaaacgacaa gaagcccacc ggtttcattt     1620
tgatgctatg tgacttgcct ttaatattac ataatggaat ggctgttcac ttgattagtt     1680
gaaacacaaa ttctggcttg aaaaaatagg ggagattaaa tattattttat aaatgatgta    1740
tcccatggta attattggaa agtattcaaa taaatatggt ttgaatatgt cacaaggtct     1800
```

1701

```
ttttttttaa agcactttgt atataaaaat ttgggttctc tattctgtag tgctgtacat    1860
ttttgttcct ttgtggaatg tgttgcatgt actccagtgt ttgtgtattt ataatcttat    1920
ttgcatcatg atgatggaaa aagttgtgta aataaaaata attaaatgag caggaatttt    1980
tgtgtccact tgacttggtc ttgcttctta ttctaatgat gcaaattata cttttgtgaa    2040
tatatcacgg agtcattagg cattcagctt catcacagca ggtcaggggt ctcactgatg    2100
gcatacaata tagtgatcgg gtactctgac ttggtagcac agtaagacag acttgcctta    2160
aactcctaat tcaaccactt acaaagtcat tgtttgaact t                        2201
```

<210> 2885
<211> 3244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(601)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2885
```
tttttttttt ttggtagaga tggggtcttg ctgtgttgcc caggctggtc tcaaactcct      60
aggcttaagc agtcctccag cctcagcctt ctcaaagtgc taggatgatt ggcatgagcc     120
acctcgtctg gcctgcaggt cttttaagc atttgctgtt caataataag catcttcttt      180
atgcctagta tttgtgataa gagcacaaaa caattttcta atctcaaaga gcttatattc     240
tagtggggta gagataagtg atttatcttg gtgtagtttt ggctttttttg tttgttttttt    300
tgagacagca tctcacactg tcgcccaggc tggagtgcag tggtgcaatc tcagcttact     360
gtaacctccg cctgccaggt tcaagcgatt ctcctgcctc atcctcccga ggagctggga     420
tcacaggcgc ctgccaccac gcccggctaa ttttttttgta tttttagtag agacgggggtt    480
tcaccatatt ggccaggctg gtctcaaact cctgacctcg tgatccgcct gcctcggcct     540
ccctaagtgc tgggattatg ggcgtgaacc accgcacctg gcctatcttg gtgttttac      600
atccttcagt atttttcaag gttttacagc tttttatct atagacttat accatcttca      660
aaagcaatac aatttttattt gtagacgtga tttccccac caaatgcaca ttttatggag     720
ctctaggaca aaagtcagga tgaaaagtaa tctatcgctg gtgctacttt aatacctttcc     780
tgactggtgc cactggctaa attctagcag tacgatgaga gggccattaa ggcctatctt      840
agcaagcaag acattatagc aaagacctaa acactcaaag gttcaacgtc ttctagccag      900
ggaactattc tctaattctt ccaccttgat atgatttcag caaattctga taacccggta      960
ttactcttaa tgcatttttg taacatttga caaacatctc ccaatatgta gactcccact    1020
ctcctgatgc taatcagtat cagacaatgg aagtaaattt tcctgctttt ctcaactttt    1080
cctcaaattc atgttagtga agtactttca tttggccatc attatttatc aaccttaaga    1140
aacatgccta ttgacgaagt aaatatacta ggaattcaac gtatctacgg gaatgtggac    1200
aaagacatat accaagacaa ggcactagag tgaaaagcca ttaaaataaa atgctcagca    1260
gcaaaggatt tgtaatggtt aatttgcaat atatccatat ggtgtaatat tacagtcatt    1320
agaaatgaca tttgcgtaag gatctgagtg gaaactgata cagcctgtcg gagagctact    1380
gagtagtatt ttatcacagc tgcatacata ccctttcacc caacagttcc actcctggga    1440
gtctagtcaa caaatggaca agttgcacaa ccaagctatg gtcaaatatg tgtgttgtag    1500
gatttatgaa actggtacca atttaatatt caaatgtgat taagtcatgg caatctattt    1560
actggatact ttgtggttac caaagagcta tgtgctgcca caggagtcc tttcaatagt     1620
gattgaaaaa ggcagaacac tactagacag aactacctat tttatgcatg tattggcata    1680
cactgaaaaa gcttagtcac ttaaaatgag gttgtacaga ttgtagattt tgttttttaaa   1740
cgcctgtatg gtttaaaaaa tgtttttggga aatagacatg agcagggcag agaactacaa    1800
```

```
cctacaggcc aaaccccacc ccactgcctg tttgtacggc caacaagttt aaaatttttt    1860
taatgtttta ggttttttttt tttttaaaaa aaatactatg cccatttgtt tacaaatcgt    1920
ctgtgggtgc tttctcacta caatggcaga attcagtagt tgagacagac ctatggtcca    1980
caaaggccga aatatttact gttttaggag aaaaaaacaa catgaattgt aataacttgg    2040
acttacttgg ttgctcagtc ctgatgtgtc ctgttaaaac ctaagagaaa cagcaccaag    2100
ttcaatctag tgcaatcagc ctatcacatc taagctgctt ttgccagatc tgatatctac    2160
tcccgacctt aagccaggag actttgtaaa cttactaggt tataataaaa cttaaaaact    2220
atcgatattt actaatctac atcatggaac tatttcaaaa gcagtcatat ggtaagatgg    2280
atcaggagtc tttaaaaata aaactgagaa agaaaaatca tgtgatcaat tcagtagtag    2340
agacagaggt tggtatcaag tctatgttca tacacttacc agtgccaccc agcagggcca    2400
tacaagacac atgaaatgag atcagctcaa gggtgacaag atgaaactgg gagagggccg    2460
gggagacccg aactcttaat attggattcc acacaagagg aaaaatttta gtccagctcc    2520
cagcatggca gctaatggca agttactcag taccataaag ccaactcttg gaatatacct    2580
gacttccacg ataaaatgga gatgagtgca ggggtgagtg tatagttaag aaaacaaaca    2640
atatattact agtccaggtg gtagatgaca gatttttatt atttacactt ctctcaaatt    2700
attacattca gcatgttttg cttttatgt tatttaaagt ataaaccctc atataattcc     2760
ctaagatggg tggcatgcca agtagctaaa tgaaatatca tcccagccca aaagtactta    2820
ttcgaatgaa atattacatt tttcttaaat aaagcaataa attaggtacc ctattatcat    2880
ggtattttct tttttggcca gcttttctag ataaggttgt attgctactg caactaacaa    2940
aaaagatgtg gcagggctgg gcacggtggc tcacgcctgt aatcccagca ctttgggagg    3000
ccgaggcggg cagatcacga ggtcaggaga tggagaccat cctggcccaa catggtgaaa    3060
ccccgtctct actaaaaata caaaaaattg gccaggtgtg gtggcaggtg tctgtagtcc    3120
cagctcctcg ggaggctgag gcaggagaat cgcttgaacg cgggaggcag aacctgcagt    3180
gagccaagat catgccacag cactccagcc taaactacag agctagaaag tggctagagc    3240
agcc                                                                  3244
```

<210> 2886
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(284)
<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2886
```
gttggggtct cactctgtcg cctaggctgg agtgcagtgg cgtggatctc tgctcactgc      60
aagctccgcc tcccgggttc atgccattct cctgactcag cctccggagt agcgggggact    120
acaggcgcac gccaccaggc ccggctaatt tttttttttt gtatttttag tagaaacggg    180
gtttcaccgc gttagccaga atggtttcta tctcctgacc tcatgatccg cccacctcgg    240
cctcccaaag tgctgggatt acaggcgtga gccactgtgc ctggccaaac gctggtaggt    300
ttgggagtga gaccacatta catttaaata tatttacaat gttttctgct ctattcttta    360
gtagactttt cctcacgtgg tcctacgcat ttctttctaa gtttattttc atatagccta    420
tccctgtcta caatttaaat tgggatcttc tatattctag ttattatttg taaataagaa    480
aactactgac ttttttctag tatatttttct cagaataaga ttttctattt ttctataaaa    540
tgaccaatgt tatgaagctt cgtaagtttt gtcaaagtga tacacacata cagcaaaaaa    600
tcaaatagta cagaagtata aaagcaacaa cctctgcctt gccccttctc caccttcagg    660
tccccttccc agatacaata atttttagct tttattttt aattattctg gttgttacct      720
```
```

```
acataactct gggcaatatg gaaaagttat tgattttgta tattaatttc ataatcagtt     780
accttgatga attctcttgt ttctagtagt ttttctttag ggttttaaag ggatacaatc     840
ataccatttg cagttagtaa ccattttatc tcctcttatt tccaacttcg tactgttttc     900
tcttgtctaa tttgttttta attggtgggt acttctagaa caaggttaaa taaaagtggt     960
gttggtgggc gtccttattt ctgatatta                                       989
```

```
<400> 2887
attttgtggc gctgtatgac gctatcatga atgcaggcca ggaggaggga atcgacaatt      60
ttggaaccta tgccatgaat gccttacgcc tggagaaagc cttcagagcc tggggggttag     120
agatgaactg tgatacaaat cctttggaag ctggactgga atattttgtg aagttaaata     180
agccagcaga cttcatagga aagcaagcac tgaaacagat taaagccaag gggctgaaac     240
gaagactggt ctgcctcacc ttggcaacgg atgatgttga tccagaggga aatgaaagca     300
tctggtacaa tggcaaggtg gttggcaaca cgacatctgg aagctatagc tacagcatcc     360
agaagagtct ggctttcgca tatgtccctg tacaactaag tgaagtggga cagcaagtgg     420
aagttgaact attaggcaaa aattcccagc agtcatcata caagaacctt tggtattgac     480
cgaaccacct agaaaccggc ttcagaagaa agggtgaagg acaaaacttg aaaaaagcct     540
tccacagtca ctgaataaga ttgctntgcc tgtcttgaaa tatataacgg ctccagggga     600
ttagggaacc ggaattcttt caaacgtcaa gcctaatttg atctaggaac cttctgtaag     660
ggttctagca gccgattatg gatatggtac atgcctttaa tgagaatgga agatgtgttt     720
tcccccatcc accgaaaatt gggtcgaaac accttccact atgggctctt attgaaacgc     780
ggctgtggaa aattattctt taaaaaagaa agtttgcggg ctcttgggtt ccgcggttag     840
gggcgtgcgt gcccctggg aggccctgt gggcggggt gcgcccgctc tttcggggcg     900
atggccgcaa ctga                                                       914
```

<221> misc_feature
<222> (1887)...(919)
<223> similar to gi4490733 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2888
ggcacgagca caatgtttga tgctggtgca catatacaat acacacatgc acaacactgt   60
gtctgcaatg atataatagg gctaccaaga ccaagagagt aaatatcaac ttaagaacac   120
ttctaacttt agaatttcat tttattaaac atacttttaa aacaagcacc tcttggcaat   180
aaaagcaaaa acaaaaaaca aacaaacaaa aacccaacca aacaatagta ctccttccac   240
tctatgctaa cggaagactt ctcacaccag ccagttaaac aatgaaattc ttaaacacgc   300
agcctgctgg ggctgcatgc agagctaaaa tgcaggtgtg ctgacttctt ggagctggag   360
cagaggaaaa catcaaaaag catatctgga atctatcaca gctttctttc ttaagcaaat   420
aaaaatgcaa attagtttca taaccacaat tcaatttatc aaactttttc tgaagaattt   480
tcatttaatt atgtatacat aacaggaaat aaaacttttt cacaaacact ctcaaggctt   540
acgattatca agaaaatgac aaaagtaaaa gcaggaggaa tattaaacac atggcgggga   600
ggtcaatttc cgtttctgct cttaaaaagt aaaaaaatca ccatataatt aagtacaaaa   660
acctgcattg aatgacaact gctggtgtat ttacttgatc agaaatgaag accaagaata   720
taataaagcc ctatgataat attcaccggg agcactcccc tcagtgtgtg tacactaaca   780
ggttggcaaa gtttctggag cattagctta tagaaacaca ggagtccttg gttagctgca   840
ttatatggaa cgttctcttc tgaaatgcac ccacgattca gtttcactta caaattgcaa   900
actaaagtta tctcttcaga aaaatatctg tttggcatct cctggacttt gttccattgg   960
acagtaggga cattttaatt tgctaccatt aaacatttta ttcagggcat ctcttgatat   1020
aatatgacca cagaccaatt tcatgggtgg attgttatct gttgtttgct gacgaagaat   1080
ggggcaggca aatatagagt gatacccagc acttttttac ccaaggtccc acttcaatag   1140
gtaattcatc tttctggttc caaactccag tacactgcct ctgttcaatc acggctttga   1200
tgttaattaa agctggcagc gccacacaac ctgctgagaa actgacactg agaggggact   1260
ccacggagag ccccaggagg gcacaagcat cccgtgtaaa gatgtcacag atatcagccc   1320
actggtttgc atcaagtagg tgaacatatg gtgagttctc aatcccttgt ctcaggtaca   1380
caaggcttcc catcaaaacc tgaatgtctt tttgatgatt tagggcaaat ggctgaaaat   1440
ttttagcata ttgtaatgcc tctcgctgat ttgtggttcc acccattaac aagctaataa   1500
aatacagtct gtgtagctta aattccaagg agctgttttg agctataagc atttcccggt   1560
ttgacactgc ccactccaga gcaggtctca gaactctgac ctttaatgcc tctaatattc   1620
tatttaactc cacaaatggt tccttctgac ttgggtctac agaaagacca gattcctgac   1680
agagctcctc agccacatcc agcattcctt gtcgaaagaa gtgctccacc atcacctcat   1740
tgagaagcct ttggctgtct gcctgccagc agccatctat tcccacactg ctaatgtcag   1800
aatcaaaatt cttatcaatg gcttttccaa cccgagaaac actgctgtgg atgtctttgt   1860
ggtcggaggc caatttttga acagtatcct ttattctttt acagcactgt gtcaaaacaa   1920
gtgaaagtgt ccctgataat tcagcatctt   1950

<210> 2889
<211> 1819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1821)...(1526)
<223> similar to gi1230564 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2889

```
tttttttttt ttgaaaagag acaataaaat gatttgtttt ttattcaaag ggataactgg       60
ataagtagat ttgttccatt cttgtgaaat actttttaaa aaaatacgac caacttcttt      120
gcaaatagca gacacatacc tcaactatga tgacctaatt tttggtggat aatgtacatg      180
attaggcaga aataggcaag ctcacactgg tagattaact atcaaatact cagtcaaaac      240
tccgtttgtg gcccccactt cttgatcgat ttctattccc acttcgtctt ctaccatctt      300
gtcgacttcc tgagcgactt ccttgtcgac tctgtctacc tgaccggccg ccagatcgac      360
cacctgaccg gcctgaccgg cctgatcgac cacttgacca gccactcctc tgtctggaat      420
tagaagatgt gtttccatca taatattctt caatttcagg taatttggct ggcactgaga      480
gtatccagtc ggaatcatgc cactctgcct gtaacctttc tgactcagtt gtaggaacat      540
caaagcaaac acccatattt cctttcagga ggcacattct ggtaatctga gacactgcat      600
tactactcag ctttctgtta agttctttcc aagcacagct gacatcctgt atttcctcta      660
ggctttccag agtcatggtc acaaacccct tatcagaggt gatcaaagat cgtggttcaa      720
agcttgatgc accagaaatg tgggctaaag ctgcagccaa tgcatccact gcacctttct      780
cttctatcag tctctgagct gatggtcgga aaaaatcaac agcagcataa gaaacggaag      840
ccagagacct gatggcatcc atgcttttag atttaactaa atccattgta gaaggaacac      900
ctacacgttt aaaagtaatt cctgcttttt gttccacata tcttagttga cctctttctc      960
ttggttgata aaaacatata caaatccctg tccgtccagc tctacctgtg cgtccagagc     1020
gatggatata ggactcaaca tcctgaggag gagaactttg aatcaccagg tcaacttcag     1080
gaatgtccaa accacgggca gccacattgg ttgccaccaa aactttaaaa ctaccttctc     1140
tgaagccttt tagtgtaatt tctctttgtg actgtgcaat gtccccatgt aaacactggg     1200
cattctgttt tatgtgtgga ttcatggcca tttcagttac attcttcttg gtctcacaga     1260
aaataatagc cctcccttca gacccactgt agacttgaag gacatctcca ataactgctg     1320
gcctctgaga ccaatgacac tggatggcca aatgttccac agtagttgca gccttttgag     1380
tcatttttcc atcaaggtca acctgttcat atctggattt catgtatttt ttctgcaact     1440
gtgtataccc actgtgggca agttgcagaa aaaagtaaag tctgaggatt gtcttcagaa     1500
tcagttttgt aggattcatg aataatatct tcaacttgtt cagcgaaacc taaatctaac     1560
atctgatcca cttcatcaag cacaacatgt cgcagtttag aaagatccaa tcggccactc     1620
tgcagatggt ctttgatacg accaggtgtt ccaaccaaga tgtcaatacc atttcgaata     1680
tgattaattt ggctttgata tgatgttcca ccataaaaac gcgccacggt gagtttccta     1740
gattatatct ttgaagtctc tggatacgtg gtttgccagt tcccgtgttg gagccaaaac     1800
aagtaccttt ggtgagcgg                                                  1819
```

<210> 2890
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(557)
<223> similar to gi1850850 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2890

```
cggacgcgtg ggcggacgcg tgggctgtgg tctgccctga tagccaagag gactcagaga       60
```

```
cccgagcaca ggaggacagt ggctctgagc agcctcccga cagcgtcctg cctgacaaac      120
tgaaggtgag ctgggagaac cccagccccc aggaggcccc tgctgcatag agtgcagaac      180
cgttccaggc accctgttct gagacttctg aggctgcccc cagggagggt gggaagcccc      240
ctacaccccc acccaagatc ttatcagaga aactgaaagc ctccatgggt gagatgcagg      300
cttctgggcc acctgctcca ggcacagtgc aggtctcagt gaatggcatg gatgacagtc      360
ctgagcctgc caagccctct caggctgagg gcaccccagg aactcctcca aaggatgcaa      420
caacatccac agcactgccc ccctgggacc tgccacctca gttccatccc cgctgctcct      480
cccttgggga cttgcttggg gaaggcccgc ggcatccctt gcagcccagg gaacggctat      540
atcgggccca gctggaggtg aaggggggcct ctgaacagac ggagaaactg ttgaacaagg      600
tgctgggcag tgagccggcc cctgttagtg ccgaaacatt gttcagccag gctgtggagc      660
agctgaggca ggccacccag gtcctgcagg aaatgagaga tttgggagag cttagccagg      720
aagcacttgg gctaagggag aagcggaagg agctggtgac cctctacagg agaagtgcac      780
cctagggcg                                                              789
```

```
<210> 2891
<211> 1264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(745)
<223> similar to gi4731584 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 2891
ctctagtgct ggaaatttat ctttgacaga ggaagaatgc ttttgaaaac agttcttacg       60
tgattttatg taacttaatt tgccctggaa aggaaatgtc tcgtctctgg tatgggaaaa      120
aagggagaag acatcaacca attaatcata aatacactct gattactaca agggaagaca      180
taaattcaaa gcaggttgct acagtgaaag cagacctgga gtctgaatct tttcgaccaa      240
acctaagtga tcccagtgaa cttttactgc cagatcaaat tgaaaagctt accaagcatc      300
ttccaccaag aacaattggc tatccatgga ctcttgttta tggtactgga aaacatggca      360
caagcttgaa aactctttat cgaacaatga caggtttaga caccccagtg ctgatggtga      420
ttaaagacag tgatggacag gtttttggtg cgttagcatc tgagccactg aaagtgagtg      480
atggctttta tggtactgga gagacctttg tttttacatt ctgtccggag tttgaggtct      540
ttaagtggac aggagataat atgtttttta tcaaaggaga catggattca ctagctttcg      600
gtggtggagg aggagaattt gcgctttggc ttgatggaga tctctaccat ggaagaagcc      660
attcttgtaa aacgtttggg aatcgtacac tttctaagaa ggaagatttc tttatccaag      720
atattgaaat ctgggctttt gaataaataa aatgctctct gtcttagcag gagaatggcc      780
caaacctgac atggacaagc attgtttgga aagttcaaga agcaatacag tgtaacatgt      840
cacttgtgct ttaaaattag tctgtatcac catttattac agttataatt ttggagttta      900
tttttcaaat catgttcttg tcccagagtt ctttaggtta acactaggga ctgcgtccat      960
gtactagtat aacagcttgg gtttgttaga atttgggcaa cattttgatt ataatgacaa     1020
cttcattttc acatgttact cagttcccta ataggatggt gctctttgt tgaacctgta     1080
ttgatttttt ttttttaac tatattgatt cgtttactaa aacagtctaa ttggggcatt     1140
gaggaaatga agactggata cttctgtatc tgtgaagttg gcacaggtaa catttggaca     1200
tgttcatctt attcttagga aggaaaaaat cacttgccaa aataatacat acttcataga     1260
ccaa                                                                  1264
```

<210> 2892
<211> 1265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1266)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1267)...(256)
<223> similar to gi6018392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2892
ttttttaaagg ttttaattca atattttatt atagtccacc gtatataaga taatatttca   60
tgtagggtta cactgatgga tagtctagnc aaaagaaata tgctagcaca gggtgggtaa   120
ctgaccaact aaggatgcac tgaaccaaca gactacttca gtaagtcctt gattattgcc   180
agcttttcta taatgttcag gttctcaaag gtcactgaat tttataatta tctccaaaca   240
attttcttca tgggtcattt aaggctttgt ctaaacaggc tgggtgtgtt gccaagcgac   300
atcaaccatc tcctctgctt aattctgctt ccaaaataac ttcagtggca ccagaaaaat   360
cagcatagga gtgaagactg ttatcgcctg tcagttctac ttgtgctgta tcagatcgca   420
atttccattc tactgttcca gtctgaaaag tttgactact tgttctaata gaaatgctat   480
ctactttag gccaactgac ccacactcaa acttccagga aatataagca aaagatgatc   540
cttcctttcg ggccaaatat accatgtgcc agtctgtttc aactttctg aatatagatt   600
ccattttcca cacgccattc tcccatccag aaatggtttg attgttattt gaaactcgaa   660
cataacgatc tttcacaata ttgtaacaaa ggtggagctg tttagaaatc ttctcatttt   720
cacagggaat aaacaaggtt tcttttctct gtagacccat ttcacctcgg gctactctcc   780
aagccactga cccagatatt cttcccccaa gttctccagg tttaggggtt ttgggagata   840
taaattcaac aagctccaca attatcctct ggagaagttc tttccttctg ttttctgaca   900
aaaacagttg cctctgctta ttaagcccat taatagtgtc tcgaagtaat gcttcttaa   960
ccttagttct tctggcaatc acctcttcat gtttgcagga atatcgccaa gtgacatcaa   1020
ctacctcatc ttttgaaaat gctatgacat aggaaagctt cttgccccat cctatttcat   1080
aaaggagtgg cttgtcacag acatcttcac atgcatcaca gtgcagccac cgctgctgag   1140
aaggagaata gacttctgtc cagacatggt ctgtgtaatc ccaaacatag cgagcttcaa   1200
accctacagc tcggcagcac agtgtaaaac aattggccca ctcgccacac cgtccacatc   1260
ttgtt   1265

<210> 2893
<211> 1113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

1708

<400> 2893
aaaaatgcgg tgccacgcgg cttttcccgt cctttccggt gtaacaccgg gcccagtttt   60
gctatttagg aggccctaaa caaatgtttc cactctcaag gccccgctgc tgaaacatgg   120
ccactttaaa gggcccgccc cttttttttt ttttgaaaaa agtccatgga ggcccatggg   180
gttgggcttg tatactagct ttggggggggt cgagtccgtc gctgtttttg tcgagatgtt   240
atggagacgg gtttctttcg aatgtcgtgg tacgcggctg ggggcatcc catatcagtc   300
actcccaggt ttatggaggg gttcttccta ctattaggga ctttttcgct tccgaagcga   360
agggcttctt caaatcaatg aaaattatta attattactg gtggttagag aaaatgaaat   420
gagccttaaa gatgattagg atgtttcat gttgggtgta tgcatccggg ggtagtcccg   480
agttaaacgt cgggggcatt ccggtatagg ccccgaaaaa agtgtttgtg ggaaggaaaa   540
gttaagattt accgccgatt gaattatgat aggtgaaatg ggatttttgc cggtaggttt   600
tgtcttaagg gggtgtaccc ctgagaatag ggggaaaatc agttgaatgg aagcctccta   660
ttgatggcaa atacagcttc ctattgatag ggacataggt ggaagtgagc ttacaacgta   720
gtacgttgtc gtgtaagtac gaatgtctag tggatgagtt tggcttatac aatgcccagt   780
cagggccacc ctacgggtga aaaagaaaga tgaattccta gggcttcaga gcacttgcag   840
cagaatcatt cataatgggt ttccggggag tgtggcgaag tcagctaaat acttttaccc   900
cccgtgggga atagcgatga ttatggtgac cgaggggggaa atatgctcgt gtgtctacgc   960
ctatttctac tgtaaatata tggtgtgctc acacgattaa cccttaggaa gccaaatgaa 1020
tttatagctc aaaccctacc tatgtatccc aacgtttctt tttttccgag tagcaagtac 1080
aatatgggag attattccca accccgctag gat   1113

<210> 2894
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<400> 2894
aacggtggct cctcgaggtc cacggtcccg gagatgggat ttcgccatgt tgcccaggct   60
gatcttgaac tcctgggctg aagatatcca ccctcctcgg cctcccaatg tgctgggatt   120
acaggcctga gccaccatgc ctggcccaag tgttcattga tgatgagaga tgggctttc   180
gcatcaaatc acaaaaatat gctgagtaat gtgaggattc ttgcttttct ggaagctaac   240
acatagtcag tgccaaagta gtgacagaag aaatcttgag aggaagcatt tttgtcttgt   300
acttgaaaca gctgctgggc ccaccatggc tcctgtgaag atcagccatg tggtatcatt   360
ttcttctcag gatcccaagt atcctgtaga gaacttgcta aacccagata gtccaaggag   420
accttggctc ggctgccctc aggacaagag tgggcaattg aaagtagaac tacagctgga   480
gagggcagtg cccactggct acattgatgt gggtaactgt ggctgtgcgt tcctgcaaat   540
tgatgtgagc caccatgcct ggccaagttc tcatactatt tctgtcacat ctgcagttaa   600

```
tttcctccac tgaagtcttg aaagcccact aggagggttg gaatcaactt cttccaaatt    660
cacattcatg ttgatgctgt gacctcctcc catgaatcac cagtattctt aatggcatcc    720
aagatggtaa attatttcca gaaggtttta atttactttc ctagatccat cagaggaatc    780
gctatctata tggcaaatat agccttacag aatttatttc ttaaatagca atgcttgaaa    840
gttgaattac tccttgaaaa aa                                              862
```

<210> 2895
<211> 1856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1685)...(624)
<223> similar to gi4544440 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2895
```
ccatgtaacc ctcataaacc aaagcgcctt ggggccctca gtggtttgta ggattctaag     60
agctctgtgc tccctaaggt aatctgggtg cctcctccca cagagctcct ggactctaac    120
aaagtccaga accttttcat tcattgattt aaacacacat atttgggtca tcccatagct    180
tattcagagg aaattaaaag ttcagaagct tctagagtga ttgtcaatgg gggaaaatat    240
gatacaaact gtatattaaa gtgatctttt attaaactat ttactgctta gtctaaattc    300
aggtagagca gtcaaagaaa gttatccatc aactttgttg aattcatatc tttcatttta    360
gaataacagc agactttaag catgtattat ttttccagtg ttcagcttag tctaagactg    420
tgtgagtctg gtttgatcca ttgccgtgaa gaatacacag acagcagctg taatgagcag    480
gtgcattccc tcgtagagaa gttttggaga aaatacactc catataaata aatgataacg    540
cagagatgtc accaaaacga tgtacgtgaa aactggaata gaacaaatca gtgcgtagca    600
gaagcaagca tgactcagtg ctgaaccact gcgtgtttct gagctcagga agtgcactaa    660
gtggctggcc cacagcacag gccctgcgta cgtcccaaac gctgtcagga gcacggctgg    720
gatttccacg taggtgtcta agcccacgaa gcctgcggag atgtccacgg tggcaatgtt    780
gttggagttg ccctgaaaat agaagaatgc ttgaccaaac caataatgca tcacagtaat    840
ctcagctgca tcgtgtctca ggggcttcca gatgaattta gtcattagag tctgaatcaa    900
gaggctaaat gctaagaccg gaagattatg tggtctaaag agcaaggctg ccagaagaac    960
taatccacta tatatctccc ataaacctac agtcttgagt ttgaagtctg cagcaatgac   1020
ttgagattta agtaagtctt tggtgcccgt gaacagaatg ccaaggacaa agacataaac   1080
aaaacgagct tcaataatac ccttggaaat gtccttgctg tccggccgcc acgggaaccg   1140
gacactcccg atggccgccc ggtagcagta gacgcccagc agccccagcg ccagggcagc   1200
cttggacaca ggggagcacc ccctctgcac cagcacaaaa actacgagga gggagagggc   1260
agccaggaca gagagctcgg ctttgtggtc agagctggtg agccagtggc cgaggtcagg   1320
ccggtgagcc cactgcacac ctgtctggtt tagggagcgc agcagccggc agcaggccag   1380
tattagccac ggactggcca gcaccatcca cttctcgcgg cctttgagca cttcggaggt   1440
agagggctt ccgtggcctt tgtctcgctc caggacatca cagccaggcc cgtcctgcca   1500
cgctgctgtg gccccgtcat gcccttgttc cacacagagg ccacacggag gctcaccgtc   1560
atctcccaga aagtagtttc tgtaggtttc ttggctcaga gctagacaca gggtgttcac   1620
aaggaagtac caggtctggt gctcctcctc cacgaagctg ctggcgccca ggctcaagac   1680
gtggcccgcc gtccccaaca gaataagaag gtctagctct gaccaccttg agctgggatg   1740
catggggttc ttccttgggg tgtttccacc cacgagcacg ttggtcagaa cagacacacg   1800
gacgcgtggg tcgacccggg tactgcgggg cgtctaatgc aggggtcaat gggcgg       1856
```

```
<210> 2896
<211> 2569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)...(41)
<223> similar to gi4240243 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2896
ctagggatct gtaaaatcta ttttgtctta accaaagaac aaatttttga catatcttga     60
ataggatgac tataaattat gactttaaa ttgtcgtaat ttttgtacta ttatctgata    120
tttttatttt tatgtatttt cgtaagtagt ttagagatag tcacatttta aaaatctaag    180
atcaagcaaa tgaagcttat ttttatgtat tcatagtata aaagaccttc agtaaatagg    240
taatattttt gttttattct agaaaacagc tccttgaaca cagtgagctg gcttttcaca    300
cattgcagtt gttagtgttt actgcccttg ccattttaat tatgaggcta aagatgtttt    360
tgacaccgca catgtgtgtt atggcttcct tgatatgctc tcgacagctc tttggctggc    420
tttttcgcag agttcgtttt gagaaggtta tctttggcat tttaacagtg atgtcaatac    480
aaggttatgc aaacctccgt aatcaatgga gcataatagg agaatttaat aatttgcctc    540
aggaagaact tttacagtgg atccaaatac aataccgtac cagatgctgt ctttgcaggt    600
gccatgccta caatggcaag tgtcaagctg tttacacttc atcccattgt gaatcatcca    660
cattacgaag atgcagactt gagggctcgg acaaaaatag tttattctac atatagtcga    720
aaatctgcca aagaagtaag agataaattg ttggagttac atgtgaatta ttatgtttta    780
gaagaggcat ggtgtgttgt gagaactaag cctggttgca gtatgcttga aatctgggat    840
gtggaagacc cttccaatgc agctaaccct cccttatgta gcgtcctgct cgaagacgcc    900
aggccttact tcaccacagt atttcagaat agtgtgtaca gagtattaaa ggttaactga    960
gaaggatact acccatttta ctatggcaca atgccgtgtg tcaaaaacaa tcaccctttg   1020
gcttattcac attaataaaa atcacaagct ttaataacag acacttaaaa ataagataaa   1080
aatggattgg aaatttttct gattactaaa aggtaaatta cttttctgtt cattgaatgt   1140
cagccttatt aagcttgtca tataagttat taaatcattc atgtcatact gcataaacaa   1200
atgttcattt cagaatttta aagagaaatg tatataaaag aacaatgaat tttaataaat   1260
caggggtatg taagtccttt ttcatccaac taggtgaatt gcttcagatt ttctctagta   1320
ccagagggta cctcctcaaa ctctttgaac cacttaaggc agaagaatgc aagctctgaa   1380
atgacatcct taaaatgctg atactggtca cagcctcttt acctctgtga ggaaattgta   1440
acagtgtgtc ttttaaggtg tttttatttt accagcsсtt aagaaagatc tctaatacct   1500
tttaatactt tttttaata atttcaaggt gaagtgtttt taaaaacact ttgtttgta   1560
atgttttgaa tctcttgaga tgtgtttacc ccactagata catatttgcc actggttagt   1620
tctccatcta agctcaagag gttattcatc tctctttaga ttccagtggc ttttcttta   1680
acatccaggt aaaacagaaa ctgctatggt atacaaccaa gttttggggt taaacataat   1740
cagaaaagaa aatccagtta aatttatgaa gtgagatttt cagatcctag atcttgaata   1800
aaggaaaggt cttttcatct tgatggcccc aaagcttgtt ggtcatggtc tttatttctg   1860
gccactatct tcttaaataa tatatttta agccctcatt tattttggt tttgggtgag   1920
gaaagtcatg ttttctaagt cctctcccct aataaaacct acccaacaat agtgctttga   1980
aaagtggtag ttatcttgaa gatactcttg ccaaatgcaa agataaacat tcttttgtc   2040
tgctttataa atatgaaata tgccagatct atagtatttt aatgtgcatc tactttaaat   2100
gagtcatctt ggggtttta taattccctt atgttctcgc ccctctacac ttgaaataac   2160
aaaatgcctt aattttatgg attagttctc ttatagtaga caggcagcta tatgcagcaa   2220
aaccaataaa gttattttc aactttcata gttgtaaaat atcttataac agaatacaaa   2280
```

```
acagctaaga aaacatgcca cattttattt tagcattttc aaataatttg tttttggtgt    2340
aagcacagga taaaaaagga gagcgtcaaa gaaaagagac ataacaccta acattcataa    2400
aaattaacaa agtatatttt ggatgatgtt tttacaggaa atattttaaa taagttggta    2460
gaactttaa aatggtactg tattagctaa taaaatattc agtacaaata tatgtttgga    2520
tttatgcatt aaaaaactaa taaaattatt tccaacttta aaaaaaaaa              2569
```

<210> 2897
<211> 1022
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1020)...(638)
<223> similar to gi5262560 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 2897
ttttaatttt tttacaaaca tttatttctc atggtttggg aggctgggaa gtccaatatc      60
aaggcactgg catagtccat gtctgggtaa agggcctgct ttcccggttc aaaagatagc     120
tatcttctca ctgcaccctc tcatggtgaa gggcaaagct agctctctag ggattcctat     180
caggaaacta atcccaatta caaggcctcc atcttcatga tgtcctccaa tcctaaaaac     240
caccagagac agggccttca aataccatca cattgtgggg gagaggggggg ggcacggggg    300
taaggtttca acatatgaat ctgaggtggc atacactcag ccaaaacatt acacctctgg     360
cccccaaaat ccatgtcatc acatgtaaaa tatattcatc tcatcccaaa ggcctcaaaa     420
gtctcagtta attccagcat gaagccctaa tgtttaaact caaactccaa agtgtcatct     480
caatatcaca tcactcagat atggatgaga ctcaattcat gctgaggcaa aattcttctt     540
cagctccgaa ccggtgaaaa ccaaactagt catgtatttc caaaatatga gacaggcaca     600
ggatagagat tcctattcca aaagtgagaa acaggagaaa ggggtgagct cccaaacaag     660
tctgaaaccc agaaagcaaa ctgaagactt tccatattct ttagatatgt agatacttgt     720
agacctgtcc tccactattc attttcacag gtattcgaag gttgtgtgat aaatgaaagc     780
tttcccacat tctttacgta aggtttatct ccattatgag ctctttcatg tctttgaaag     840
gaactggaat aactgaacgt ttttccacat tgcttacatt cataggtttt ttctccggta     900
tgagttcttt catgtattct aatggaactg gcataattga atgctttccc acattcttta     960
cattcatagg gttttctcc agtatgagtt ctttcatgtg ttcggacaga actaggacag    1020
tc                                                                  1022
```

<210> 2898
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (385)...(116)
<223> similar to gi2773345 in the genepept database release 114,

```
     <400> 2898
aataaagaca gttgatgtgg ccacccaaaa accatgatag ctcttcagtt aactatgttg      60
gaagttctaa tatactccac aatgtgaaca cagtcagatt ctatttctgc atcaaaaagt     120
gttgttggaa gttgtcagat atatttcaat atagaacccc cattcaatga ctaggagatg     180
agagagcagc agagatggga aaaaaagctt tataaaattc ttctgaaatt ctgccccctt     240
tcttcataat gctcatgttt ctcatgctga gagtaattgt gcactttggg tggttagaga     300
gaaattgctt ttaggggact attttctggc tgacttgatc aatcttatat ctaaactgag     360
ctttttctca agatcttttt tctcaagatc tttttag                             397
```

```
     <210> 2899
     <211> 1106
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (70)...(778)
     <223> similar to gi4240325 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters
```

```
     <400> 2899
tcggacgcgt gggcggacgc gtgggctcgg tcgcttagtg tgtctcctag ttcctatcct      60
gaactacaca ctgaagttcc actgtctgtc ttaattctgg gattgcttgt tgttttcatc     120
ttatctgtct gttttggggc tggtttattc gtctttgtct tgaaacgccg aaagggagtg     180
ccgagcgttc ccaggaatac caacaactta gacgtaagct cctttcaatt acagtatggg     240
tcttacaaca ctgagactca cgataaaaca gacggccatg tctacaacta tatccccca      300
cctgtggtac agatgtgcca aaaccccatc tacatggcag gaagggaagg gagacccagt     360
agcctattac cgaaacctgg caaggagttt cagctattag gcaacctgga ggagaaaaaa     420
gaagagccag ccacacctgc ttacacaata agtgccactg agctgctaga aaagcaggcc     480
acaccaagag agcctgagct gctgtatcaa aatattgctg agcgagtcaa ggaacttccc     540
agcgcaggcc tagtccacta taacttttgt accttaccta aaagggcagt ttgcccttc     600
ctatgaatct cgacgccaaa accaagacag aatcaataaa accgtttat atggaactcc     660
caggaaatgc tttgtggggc agtcaaaacc caaccaccct ttactgcaag ctaagccgca     720
atcagaaccg gactacctcg aagttctgga aaaacaaact gcaatcagtc agctgtgaag     780
ggaaatcatt tacaacccta aggcatcaga ggatgctgct ccgaactgtt ggaaacaagg     840
acattagctt ttgtgtttgt ttttgttctc cctttcccag tgttaatggg ggactttgaa     900
aatgtttggg agataggatg aagtcatgat tttgcttttg caagtttcc tttaaattat     960
ttctctctcg ctctcctctt cccactccca cactgaaaaa caaagaagaa aaaagaaaca    1020
aaaccataaa caaaatctat gaagaaatgc attgtagaaa cattcatgtc cactgatggt    1080
tcctaagaag agaagggaaa aagaaa                                         1106
```

<210> 2900
<211> 1999
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(1415)
<223> similar to gi3877186 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2900
ctggacactc aggtggcacc aggtttcttg tgctcccagc gccctgccca cccttggagc   60
caggcacaca gtgacgactc ggaggccacc agcctgtcct ctgtggccta tgcctttctg   120
cccgactccc acagctacac catgcaggaa ttcgcccggc gttacttccc ggaggtccca   180
ggccttgctg ggccagactg atggaggtgc cgcaggaaag gacacggaca gcctggtgca   240
gtacaccaag gctcccatcc aggagtcgct cctcagcctc agtgatgatg tgagcaagct   300
ggctgtagcc agcttcctgg ccctgatgcg gtttatgggt gaccagtcca gccccggggg   360
caaggatgag atggatctgc tctatgaact gctgaagctg tgccagcagg agaagctgag   420
ggatgagatt tactgccagg ttatcaagca ggtcacggga caccccggc cggaacactg   480
cactcgaggc tggagcttcc tcagccttct cacaggcttc ttcccccccgt cgaccaggct   540
gatgccctac ctgaccaagt ttctgcagga ttcaggcccc agccaagagc tggcccggag   600
cagccaggag cacctccagc gcacagtcaa atatggggg cgccggcgga tgcccccacc   660
gggtgaaatg aaggctttcc tgaaaggaca agcgattcgc ctgcttctta ttcacctgcc   720
ggggggtgtg gattatagga cgaatatcca gactttcaca tctgtccaca tgcccaggta   780
gcagcagaag tgcaggagga gctgtgccgg caaatgggta tcacggagcc tcaggaagtg   840
caggaattcg ccctcttcct catcaaagag aagagccagc tggtgcggcc cctgcagccc   900
gccgaatacc tcaacagcgt ggtagtggac caggacgtga gcctgcacag ccggcggctc   960
cactgggaga ccccactgca cttcgataac tccacctaca tcagcaccca ctacagccag   1020
gtgctgtggg actaccttca ggggaagctg ccagtcagcg ccaaggcaga cgcgcagctc   1080
gccaggctgg ccgcccctgca gcacctcagc aaggccaaca ggaatacccc ctcagggcag   1140
gacctgctag cttacgtgcc aaagcagctg caacggcagg tgaacacggc ctccatcaag   1200
aacctgatgg gtcaggagct gagacggctg gaaggacaca gcccccagga agcacagatc   1260
agcttcattg aggccatgag ccagctgccc ctcttcggct acaccgtcta tggggtgctg   1320
cgagtgagca tgcaggccct gtccggaccc actctcctgg ggctcaaccg ccagcatctc   1380
atcctcatgg accccagctc ccagagcctg tactgccgca ttgccctgaa gagcctgcag   1440
cggctccacc tgctaagccc tctggaggag aaggggcccc ctggcctgga agtcaactat   1500
ggctcagctg acaaccccca gaccatctgg tttgagctgc cacaggccca ggagctgcta   1560
tacaccactg tcttcctgat agacagcagt gcctcttgca ctgagtggcc cagcatcaac   1620
tgagaggagt gcaggccggg gagagaagag gatgaggcct ccccccggccc aagtctcacc   1680
cacatggtct gccttggatg ctatcagatc actgttctag aacctgcctc agcacagccc   1740
agccggccca catgcaggcc atgaggcagg ggctgctatc acgtcaccag caggcaaaga   1800
aaacagccag accctctcca ggacggcctg gggccaaagc gggctgcagg aactcggctg   1860
gggcacctga ggttgcccag tctgagggag atgcccaccc gaccccaggc tccgcccagg   1920
ccccacatta gcacaagccc aggcatggga gaaacagctg ctgaggaaat aaaactccct   1980
ggagaagtcg acgcggccg   1999

<210> 2901
<211> 2646
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<222> (2647)...(2273)
<223> similar to gi1710216 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2901
gtcacagcac cggcagcggc gcctgcagga ccatggcaag gagaggaagg agcttttctc   60
cacaaccact tcccagtgtg cagagaagaa accagaagcc agtggcccag aggctgagcc   120
ctgcccagag ctccacacgg agccagtgga gccactgact cgggcatcct cggcaggccc   180
tgagggtgga ggagtccgcc ccgagcagcc ctttattgtg ctgggacagg aggagtacgg   240
ggaacaccac tcatccatca tgcactgcag agtggattgc tctgggagga gagtcgccag   300
cttagacgta gatggggtca tcaaagtgtg gtccttcaac cccatcatgc agaccaaagc   360
atcctccatt tccaaatcac cgctgctgtc tttggaatgg gccaccaaac gggacagact   420
gctcttgctg ggcagtggtg tgggaacagt gcgtctctat gacacggaag ccaagaagaa   480
tctctgtgaa atcaatatca acgacaacat gcccagaatc ctgtctcttg cgtgcagccc   540
caacggggcc tctttcgtct gttcggcagc agctccgagc ctcacttccc aggtggactt   600
ctcagcacca gacatcggca gcaagggcat gaaccaggtt cctggcaggc tgctgctgtg   660
ggacacgaaa accatgaagc agcagctcca gttctccctg gatccagaac ccattgctat   720
caactgtaca gccttcaatc acaacgggaa cctgctggtc acagggcag ctgatggcgt   780
catccggctg tttgacatgc agcagcatga gtgcgcgatg agctggaggg cccactacgg   840
ggaggtctac tctgtggagt tcagctatga tgagaacacc gtgtacagca tcggcgagga   900
cgggaagttc atccagtgga acatccacaa gagtggcctc aaggtatccg agtacagcct   960
cccctcagat gccacgggcc cctttgtgct gtctggatac agcggctaca agcaggttca   1020
agtccccagg ggccgactct tcgcttttga ctcggaggga aattacatgc tgacatgttc   1080
tgccacaggc ggcgtcatct acaagctggg tggcgatgag aaggttctgg agagctgctt   1140
gagcctaggt ggccaccgag cccctgtggt caccgtggac tggagcactg ccatggactg   1200
tgggacctgc ctcaccgcct ccatggatgg caagatcaag ctgaccaccc tcctggccca   1260
taaagcctga tgacttgccc caagggccac ccgaggaagc agtattatct gcggtggggg   1320
gaggagatat aggacaggaa aaccacgtgc tccactccag ctccctgcca gtgcagtgac   1380
tctgcaggga aagactggca aggaggctca ggtgcttcca tctgtggtga ctggaatggg   1440
acccacgtgg agtaggtgac atatgcttcc cagagactgg tattgtggct gtgccaggag   1500
tacatgtgag actatgggag gaaagctccg gaagaaggag aaacattgca gtggctactg   1560
tgttggccca gtagaaattg acagtatttt gtatatatgt gcccatttat ctttttcttt   1620
tttaaaaaaa gagaatactc ttgtggtccc ctgatgtctc tttctaggat gtgtgtcact   1680
ttgcttcagt gacagccctc ccacccagcc tggctctgct ggccccgaac tgaacctctc   1740
caggctctcc tgttgctttg ccatggagcc aggtcagctc tctgtctgtt ctgctgggta   1800
acaaggtttg gcagttcctg tttctctggg cttaagtcaa ggccacagaa ttcttttttct   1860
tccctgaaag ctggcagctt ttgttacaga agattctcag gatgaaggca ggggctgagg   1920
cctctgctac tggctgcccc tttccatcca gtggctgctg tttcccaaga cgggctaagc   1980
gtttcttatc tgaaatgctt gggacaggag tgttacagat tttggatttt ttcagacttt   2040
ggaatatttg catatataca taatgaggta tcttggtagg tctcatgtct aaacatgaaa   2100
ttcattcatg ttttatatat accttataca tgtagcctga aggtaactct atacagtatt   2160
ttaaataatt ttgtacatga aacaaagtat tgattgtggt caggtgtggt attttccact   2220
tgtggtgtca tgttggtgct cacagttttg gggccgggca cggtggctca cgtctgtaat   2280
cccagcactt tgggaggcca aggtgggtgg atcacttaag gtcaggagct tgagaccagc   2340
ctggccaaca tggtgaaacc ccatctctac taaaaatacc aaaattagcc aggcatggtg   2400
gcaggtgcct ataatcccag ctactctgga ggctggggca ggagaatcac ttgagcccag   2460
gaggcggagg ttgcagtgag ccgagatcac gccactggga aacccaact caaaaaaaaa   2520
aaagtttgg ggttatggac cattttggat ttgggatttt ggggtaaggg accctaaccc   2580
tgaccttttt tatttggggg gctcctctaa ttcttccaac ggaacatttt tggggaaaga   2640
tgaggg   2646

<210> 2902
<211> 2560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(838)
<223> similar to gi3881275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2902
gcggccgcgg cataggggggg cactgtggac ttgcgcgagt atgctggctg tgtcagtgct   60
ggccgcagtc cgcggcggca gacgacggtg aggcgcgtcc gcgagagcaa cgtcctccac   120
gagaagtcca aggggaagac gcgcgaggga gccgaggaca agatgaccag cggcgacgtg   180
ctgtccaacc gcaagatgtt ctacctgctc aagaccgcct tccccagcgt ccagattaat   240
actgaggaac acgtggatgc agcttgatca ggaggttatc ttgtggggat cataagattc   300
ctgaggatat cctaaaggga agtaactact ccctaaagag gtacccagca gaaagtgtta   360
ctgtctggat tgaccccact tgatgctaca caggaatatt acagaggatc tttcgaaagt   420
acgtcactac tatggtgtgt gtggctgtaa atggtaaacc catgctagga gttatacata   480
agccattttc cgaatataca gcttgggcaa tggtagatgg tggttcaaat gtgaaagccc   540
gctcttccta caatgagaag accccaagga tcgttgtgtc tcgttcccat tcagggatgg   600
tcaaacaggt cgctcttcag acttttggaa accagactac aattatccca gctggtggtg   660
ctggttataa agttttagca cttttggatg tgcctgataa gagtcaagaa aaagctgatt   720
tatacatcca tgtgacatac atcaaaaagt gggatatatg tgctggtaat gccatcttaa   780
aagccctagg ggggcatatg actaccctga gtggtgaaga aatcagttac actggttcag   840
acggcattga aggggggactc cttgctagca tcagaatgaa ccaccaggcc ctggtcagaa   900
aactcccaga tctagaaaag acaggacata aatgagcata actgattaca gggtacagtt   960
cttcacagct gaaatggtta gcctgagatg ctggaagctt caaaggattg gtggagacta   1020
tgcatggtta aggccatccc gaactttta aagtatttat gaagcatcag agacttattt   1080
tccctgtaat agaatgcaaa atcagggaaa atgggttgct ttgtgtctca agtattgtct   1140
ttatttttga gactattttc atacagttgt catacacaag gcgcatatat atatttgtga   1200
attaaaatct gtagctgagt ctacattgtt atgagtcacc attttcacac aacatcatga   1260
atcttcactg ttagtacttt catatagaat tcggttgaag gaaagattga tttttgtgta   1320
gatgtttaat ataactttac aactatatct cattgaaaat aaagtcattg gggattttta   1380
cctctaattt ggatggaaag cacaagaagc cacacattca ttaatatgca acaaatgttg   1440
tatttatgtt actgaatatt tctatggatt aaaatagaaa aagtttaatt gatttttct   1500
tttaaatttt aataacaggt tcaccagctg gtagaaaata gagacacatg atgactttgc   1560
attggtaata atttcctgtg tgtatgtgtg tgtggttgtt ttgtttttat aaagaaatgt   1620
tgttgtttgt acccatggag tttatcattt ttgccatgct tgctattttt ctatttaccc   1680
atagagaaag atgctatggt tgatccttt ccttctgtcc atcaacatta atcattaact   1740
ttggaagggt cgggtttaag gtttcagggt tagcactata gttttggttc attttctcat   1800
taacgataaa atatgctgta aggcactata agaatataaa tgattctatt acaattgaaa   1860
gttacttgac attacatgaa ttgaactgcc tttcattatc ttcagacact ttgttttagt   1920
atttttttt taatttgcta ggtttgtata tagaagatcc tttcattatc aagaatgagt   1980
atggttgctt ttgccatggt tgcttttact attaataaat gtatctagcc tacccaaact   2040
ctgtagtaac ttttgagatt ctcttaattt cccctcagat taaaatagag aaggttgaag   2100
gtactttttg atgaaatttt tttctagtct ggttagaaaa aaaaagttgt gacatattca   2160
ttgtgttacc gtaactagaa ccttgctttg tgaactgtct ttcattggga tgtatggttt   2220

```
ctctcaatgt gaaatctgga aacttcatgt aaactaccca tgccgttatt tcatgtgact   2280
ccagtgccct tgtattccat aacatgctga tgagagggat ttctcacggt ttctttcttt   2340
gctaaatttt ttaaccataa agcagcttac cctttatttt cccatcttgg aagtaaaatt   2400
gaccaaagaa tgtacgttct agcctggtgg aatgtgcata ctttaggttt gtatgttaca   2460
ttgtccaaag ccctttactt tcttattagt aaactgaatc taatatgaca caaatgtttt   2520
cacccaatct cttgcaactg gtcaaattcg agaaggtgtg                         2560
```

<210> 2903
<211> 1673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1672)...(255)
<223> similar to gi4263748 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2903
```
tttttttttt ttatcatcaa atcggatctt tactcaacta tggtgaatgc catggaacat     60
aatacaaaca tggatgttac tggagtttat atttttaaat tcaaaattga aaaaatacaa    120
attgaaaaat agaaatattt aattattaaa attttctctt tcataattct ttttgcgcct    180
ttgagttgaa gccaaaaggc tggccgtctt cccttccaca ccgagatgtc agtgtcaggc    240
ctcgggtggc acggtgggga cgggcagttt agaattcagc cttgaatcct tcaactggga    300
acgatgttta atttgattca ggttcgtaac ggaaaacagc tgttcacaag cgtgggtact    360
cccaaacaca gatattcagg acaactactg gagatagttg tagaatctca ccatcttcac    420
acagacttgt atttaggaac cagcaccgta ttgcactgta gttcaattac tatttatggt    480
ctgcattcac acaagaaaca tctgccaaca aaggcaaact ggacaatgtc tgttccttct    540
catgagtctg gattccgaga gcctttgggg gaatttggtc ttcaacccca ggacgtaggt    600
gaatacagtc cgggccacct ctttcatttc tgaaagccga ctgcagcaca ggaaagagta    660
aaggtttttt ttccttgccg gtggattccc caggaccaag catacaccat catacattca    720
agtagctgtt tgtggacatc cttgcggaga aatattcagt gttcagaacg gtcataacct    780
tgaccagaag tctttgacta accttctcag gggaacccac tgtggctttt gcctgattta    840
aaatgaacca agttggttaa cttgaacagt tcagatttct tccacaacca agtcacagag    900
cttctgtgaa atctctcagg tcaagtcacc atcaactcac tcgtgactga agtccaggag    960
cggaagtgtc gagagcatcg cggtgtggtt ctggttcaag ttgcttcaga accaagtcaa   1020
actccttgat gatggatgca acggacccca acttcccgtg tccttgccaa aatgtgtcgc   1080
cttggatcaa ggtgtcctgc caagtccccc tgtcatgacg ctgtcctgta gttgtgcttc   1140
gggaactctg gccagtctat gtgaaacttt tctctcaata tacaaaaaaa attagtcctt   1200
tcccagtgtt gggcctgcct tggcaccatg ccacagactt cttcggtcac atcaagattc   1260
ttaacaccac aaataaataa agctaactgg gtggtaatag tttatgagca gcgaaagaaa   1320
aggccacaat caatttgact ctttcaagca actggacttg taaatccccc gagttatctc   1380
caactcactg tgcaacgcaa atgcccgtta gacttaaata acggtctcaa cagtcatgtg   1440
tttctgtgca ggacacgtca ctctgctcct ttataaactt gccatctgct gtagctctga   1500
atgcccaggt cattcttctc acgtgattcc ggaacggcgt accactgccg cgccacttct   1560
gttaattcgc ttttcaaaac aaaccctatt gacatttgag tccctttttc agttcgttga   1620
ggatggcatc tcgagtctgt tctgtgtact ggtcgtagct cttactatgc ttt          1673
```

1717

```
<210> 2904
<211> 2142
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2143)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2014)...(719)
<223> similar to gi1778861 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 2904
tttttttttt ttacaggctc aaaaatcaag tttaatatca aaagaagtta cacataaagg      60
tttttacatt tccgaaaatc tgatagttaa aatatcccgt ctggtgttga ttgtgataca     120
cttaagtgaa cccctgaaaa cctttatttt gaaattgaag tttttgctca gaaactgggc     180
agaacttttc acattctgac agaagataaa acttaagtct aaaaaatatt cggtaacttt     240
tttctcaaaa acattaagta ctttagaata taaagcagaa actcttacca agcatgtgta     300
cccatcagcc acacctcctg tctttggggg aatttggtta cttggagctc tgtgggtgct     360
atatgaatcc tagagacagc aaacttctgc tgtacagcta acttacaagg gcctgaaccc     420
ggctgatggc agcaagcctg ctacagtcca gaagagtgcg acttcttata tttacatatg     480
aacgcatctg tctttccaag gctaactttg tagcattcca ctggtaccaa ggagccaaat     540
ggtgacattc tgtctaagaa tttgtggtta ctggcttcga atgaagttga cgctgtcttg     600
aatgcaccag ttttttcttc aggattcaag cacttttttaa ttccaggttc atctgtgtga     660
ctgtccttgg aattgaaagg gatgttgctc tctttacaat ctgtaaggcg cctgtggtga     720
tcttcactaa gcaacaatac aatggttccg ccaacatgaa gcactctttc catttcttgt     780
agaatgcttt tgatgtcttt tcctaactta aacttttcc caaatggaat gtcagaaata     840
ataatatcaa cactttctga aggcaatggc aattctataa cagagatttt aagtaattca     900
attttatcct caaggcctgc agctttcaga ttgtcccaag tacctagtaa ctgtgagtcg     960
ctgacatcag cacctacata atacacatct ggccattctt tagcagcttc caaaagtatt    1020
gttccaagtc cacacattgg atctaaaaca aatgcaccag ccccactgtc aggcccagtc    1080
gtgctcgaga tagggagaa aagacatcca ccacttgata tgtctacaga ggaagcagag    1140
tcctcagtgc acagccaggt ttcagtcaga gccatatggt accttaatgt cagccagaga    1200
tgccattgcc cacgctattg tagatcgcag tccagctgtc ttgatgtaag ctctgctggc    1260
tagggaaacc ctgaacacag gaatccccac cacagagtaa atgtcattta gatgtataaa    1320
gatctctaat tgtggattcc tcaagtctgc tttccatcca aagtgtttca taatagcaat    1380
tccaattact tttcctacct cctgtgcagt gaaggccttt ccaatagttc cactgcagcg    1440
acaagatact ctgaaagtca agtcattctg attatgagta tcaattgctt tctctatgtc    1500
attctgaaat tcttcttctt gaaacttttc gctttttagtg gtaaaatctc tttgctccag    1560
agtttcttct tttatttgtt tttccagctg gcagtcccta ttctcttcta tcttttgcat    1620
ttgttctatt tttaatttct ttgcaatgat ttcatttttct cccacttttc tttttagttg    1680
gttatcatct ctctgagaaa gtttttcctt ttttgcatca agttcaagaa gattttttcca    1740
aattgaaatg gcattcaacc aacttcctgg atcttcattt ataagtcttt gcatttcatt    1800
aaatatttt cctttactta cagaagaaat aataagtgga aactgctttt taatcagcaa    1860
aaataatctt tctgcagatt ttaatttctt caacatattc aaatcagaac aggtggtgaa    1920
aaaaaccttt cctgaaatat attcaacctg cgtggccgcc agccgcgccc gcacctctcg    1980
cattacgaac ggctccaggc cgcgacccgc agtgcagaag aatcgggcgc cagcctcagg    2040
cccggaccct ggctctccac acgaaatcgt ggncccgggn nttnctnnnn ngtngntcnt    2100
```

1718

```
<210> 2905
<211> 2502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(679)
<223> similar to gi2352427 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2905
gggcaatggc atcaacgtcc tcaaaattgc ccccgaatca gccatcaaat tcatggccta    60
tgagcagatc aagcgccttg tttggtagtg accaggagac tcttgaggat tcacgagagg   120
cttgtggcag ggtccttggc aggggccatc gcccagagca gcatctaccc aatggaggtc   180
ctgaagaccc ggatggcgct gcggaagaca ggccagtact caggaatgct ggactgcgcc   240
aggaggatcc tggccagaga gggggtggcc gccttctaca aaggctatgt ccccaacatg   300
ctgggcatca tcccctatgc cggcatcgac cttgcagtct acgagacgct caagaatgcc   360
tggctgcagc actatgcagt gaacagcgcg gaccccggcg tgtttgtgct cctggcctgt   420
ggcaccatgt ccagtacctg tggccagctg gccagctacc ccctggccct agtcaggacc   480
cggatgcagg cgcaagcctc tattgagggc gctccggagg tgaccatgag cagcctcttc   540
aaacatatcc tgcggaccga gggggccttc gggctgtaca ggggctggc ccccaacttc    600
atgaaggtca tcccagctgt gagcatcagc tacgtggtct acgagaacct gaagatcacc   660
ctgggcgtgc agtcgcggtg acggggggag ggccgcccgg cagtggactc gctgatcctg   720
ggccgcagcc tggggtgtgc agccatctca ttctgtgaat gtgccaacac taagctgtct   780
cgagccaagc tgtgaaaacc ctagacgcac ccgcagggag ggtgggggaga gctggcaggc   840
ccagggcttg tcctgctgac cccagcagac cctcctgttg gttccagcga agaccacagg   900
cattccttag ggtccagggt cagcaggctc cgggctcaca tgtgtaagga caggacattt   960
tctgcagtgc ctgccaatag tgagcttgga gcctggaggc cggcttagtt cttccatttc   1020
acccttgcag ccagctgttg gccacggccc ctgccctctg gtctgccgtg catctccctg   1080
tgccctcttg ctgcctgcct gtctgctgag gtaaggtggg aggagggcta cagcccacat   1140
cccaccccct cgtccaatcc cataatccat gatgaaaggt gaggtcacgt ggcctcccag   1200
gcctgacttc ccaacctaca gcattgacgc caacttggct gtgaaggaag aggaaaggat   1260
ctggccttgt ggtcactggc atctgagccc tgctgatggc tggggctctc gggcatgctt   1320
gggagtgcag ggggctcggg ctgcctggcc tggctgcaca gaaggcaagt gctggggctc   1380
atggtgctct gagctggcct ggaccctgtc aggatgggcc ccacctcaga accaaactca   1440
ctgtccccac tgtggcatga gggcagtgga gcaccatgtt tgagggcgaa gggcagagcg   1500
tttgtgtgtt ctggggaggg aaggaaaagg tgttggaggc cttaattatg gactgttggg   1560
aaaagggttt tgtccagaag gacaagccgg acaaatgagc gacttctgtg cttccagagg   1620
aagacgaggg agcaggagct tggctgactg ctcagagtct gttctgacgc cctgggggtt   1680
cctgtccaac cccagcaggg gcgcagcggg accagcccca cattccactt gtgtcactgc   1740
ttggaaccta tttattttgt atttatttga acagagttat gtcctaacta tttttataga   1800
tttgtttaat taatagcttg tcattttcaa gttcattttt tattcatatt tatgttcatg   1860
gttgattgta ccttcccaag cccgcccagt gggatgggag gaggaggaga aggggggcct   1920
tgggccgctg cagtcacatc tgtccagaga aattcctttt gggactggag gcagaaaagc   1980
ggccagaagg cagcagccct ggctcctttc ctttggcagg ttggggaagg gcttgccccc   2040
agccttagga tttcagggtt tgactggggg cgtggagaga gaggaggaa cctcaataac    2100
cttgaaggtg gaatccagtt atttcctcgc gctgccgagg gtttctttat ttcactcttt   2160
```

```
tctgaatgtc aaggcagtga ggtgcctctc actgtgtatt tgtggtgggc gggggctgga    2220
ggagagggtg gggggctggc tccgtcccct cccagccttt tgctgccctt gcttaacaat    2280
gccggccaac tggcgacctc acggttgcac ttccattcca ccagaatgac ctgatgagga    2340
aatcttcaat aggatgcaaa gatcaatgca aaaattgtta tatatgaaca tataactgga    2400
gctcgtccaa aaagcacact acgacagaac tggacgttag aagttgtcat tataaagcag    2460
ccttctaata aagttgtttg caaagctgaa aaaaaaaaaa aa                       2502
```

<210> 2906
<211> 2366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (161)...(1631)
<223> similar to gi186396 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 2906
```
gcactatgtc acattgccgt ggggcagcag atgaacctgc actggctgca caagatcggg      60
ctggtggtca tcctggcttc cacggtggtg gccatgtcgg ccgtggccca gctgtgggag     120
gacgagtggg aggtgctgct gatctccctg cagggcacag cgccattcct gcatgtgggg     180
gctgtggcag cagtcaccat gctctcctgg atcgtggcag gacagttcgc ccgtgcagag     240
cggacctcct cccaggtgac cattctctgt accttcttca ccgtggtgtt tgccctctac     300
ctggcccctc tcaccatctc ctctcccctgc atcatggaga agaaagacct cggccccaag     360
cctgctctca ttggccaccg cggggccccc atgctggctc cagagcacac gctcatgtcc     420
ttccggaagg ccctcgagca gaagctgtac gggctccagg ctgacattac catcagcctg     480
gacggcgtgc ccttcctcat gcatgacacc accctgcggc gcaccaccaa cgtggaggag     540
gagttcccgg agctggcccg caggcctgcc tccatgctta actggaccac cctgcagaga     600
ctcaacgctg gccagtggtt cctgaagact gaccccttct ggacagccag ctccctgtca     660
ccctccgacc acagagaggc ccagaaccag tccatctgca gcctggcaga gctcctggag     720
ctggccaagg gcaatgccac actgctgctc aacctgcgtg acccgccccg ggagcacccc     780
taccgcagca gttttatcaa cgtgactctg gaggccgtgc tgcactccgg cttcccccag     840
caccaggtca tgtggctgcc tagcaggcag aggcccctgg tgcggaaggt ggctcccggc     900
ttccaacaga catcaggctc caaggaggca gtcgccagcc tgcggagagg ccacatccag     960
cggctgaacc tgcgctacac tcaggtgtcc cgccaggagc tcagggacta cgcgtcctgg    1020
aacctgagtg tgaacctcta cacagtcaac gcaccgtggc tcttctccct gctgtggtgt    1080
gcggggggtcc catccgtcac ctctgacaac tcccacaccc tgtcccaggt gccttccccc    1140
ctctggatca tgcccccgga cgagtactgt ctcatgtggg tcactgccga cctggtctcc    1200
ttcaccctca tcgtgggcat cttcgtgctc cagaagtggc gcctgggtgg catacggagc    1260
tacaaccctg agcagatcat gctgagtgct gcggtgcgcc ggaccagccg ggacgtcagc    1320
atcatgaagg agaagcttat tttctcagag atcagcgatg gtgtagaggt ctccgatgtg    1380
ctctccgtat gttcagacaa cagttatgac acatatgcca acagcaccgc caccccctgtg    1440
ggcccccgag ggggtggcag ccacaccaag accctcatag agcggagtgg gcgttagctg    1500
aagacatgtc tgtcccacct gtacctgaca cagaagctgg ggagcctagg agagctggtg    1560
gaagtgtgtc tgaactcgga gtgctctggg agcgggctcc acagcctcct tgtgggctcc    1620
agccccttgt cagccgcagc ctctcttgag ggggactccc tgtctcctga ggcccagctg    1680
ggccaggact ccatcctttc agatgcccct gcaggcctgg ggctccttct gggaagtatg    1740
gggcctaggg cttggtcccc ctcttctgag gccctctcct gtatcccgac ctggaagctt    1800
tgatgggtca tgggccatgc catacccccct gtggcaatgg agtgtgtgga tgctcacctg    1860
```
```

```
tgccatctgt cctcctgtct gtgccaggag gcacctgagt tctctgctgt tatcctgccc    1920
caagggcctg ggccgagcct ctacctgaag caactctgct cttcctgtca gtctcaaagc    1980
acaaggaggt tcagcccagg aggaagccag ctgcaatgtg gagacacgtc ctcctcccca    2040
acccacctca tgccaccgcc aaccccctgc cccaggagcg ggcctgagcc acgtcccta    2100
ggagcagctg gagatggcca aaagagtgag ctcaggacta ctggatccca tgcccaggtg    2160
tccagcagac ctcaaggcag aagggtcacc taacccagga gttccacaga ctgatgtgac    2220
ctcaggttcc cacatcagtg gccaccaggc agggcccacc tggtagaagt gttctggata    2280
tggcccaggg tgggtgtgtg gctaagtggg cctgaacaga gggaaccta gggcccttgg    2340
ccaatgtgat taaagctgcc atcttg                                       2366
```


<210> 2907
<211> 1594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1289)
<223> similar to gi984814 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2907
```
gttgtgagtg acaccctaaa agaagctggc acccactaca tcatggctac tgatggtacc      60
cagttgcacc acattgagct caccgcagat ggctccatct ccttcccaag tccagatgct     120
ctggcctctg gtgccaaatg gcccctgctg cagtgtgggg gactgcccag agacggccct     180
gagcccccat ctccagccaa gacccactgc gtaggggact cccagagctc tgcctcctca     240
cctcctgcaa ccagcaaagc cctgggcctg gcagtgcccc cgtcaccgcc atctgcagcc     300
actgctgcat caaagaagtt ttcctgcaag atctgtgccg aggccttccc tggccgagct     360
gagatggaga gtcacaagcg ggcccacgct gggcctggtg ccttcaagtg ccccgactgc     420
cccttcagtg cccgccagtg gcccgaggtc cgggcgcaca tggcacagca ctcaagccta     480
cggcccacc agtgtagcca gtgcagcttt gcctccaaga acaagaagga cctgcgtcgg     540
cacatgctga ctcacacaaa ggagaagcct tttgcatgcc acctctgcgg gcagcgtttc     600
aaccgtaacg ggcacctcaa gttccacatc cagcggctgc acagtcctga tgggaggaag     660
tcaggaaccc ctacagcccg ggcccctacc cagaccccaa cccagaccat catcctgaac     720
agtgatgacg aaacactggc caccctgcac actgcactcc agtccagtca cggggtcctg     780
ggcccagagc ggctacagca ggcactgagc caggaacaca tcatcgttgc ccaggaacag     840
acagtgacca atcaggagga agccgcctac atccaagaga tcaccacggc agatggccag     900
accgtacagc acctggtgac ctccgacaac caggtgcagt atatcatctc ccaggatggt     960
gtccagcacc tgctcccca ggaatatgtt gtggtccctg aaggccatca catccaggta    1020
caggagggcc agatcacaca catccagtat gaacaaggag ccccgttcct tcaggagtcc    1080
cagatccagt atgtgcctgt gtccccaggc cagcagcttg tcacacaggc tcaacttgag    1140
gctgcagcac actcagctgt cacagcagtg gctgatgctg ccatggccca gcccagggc    1200
ctgtttggta cagacgagac agtgcccgaa cacattcaac agctgcagca ccagggcatc    1260
gagtacgacg tcatcaccct ggccgatgac tgagccccga gggcccaaca cagatcatgg    1320
atttgcggcc agctctcctg ggggtagggg gccaccagga ctcacctccc tcttcattta    1380
ggatctccag atactggata gccagcatcc tctcattccc agggagccag acctgtgctg    1440
ttggggttag gggcagccat gggccccagc caggacatgc tgggtgcccc agcctgcagg    1500
caggctttgg gagagaaatt tatttttgtt tgggtggacc cactggcctg tcagtctcaa    1560
taaagggacc ggagtccagt cctgaaaaaa aaaa                              1594
```

<210> 2908
<211> 1632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(1249)
<223> similar to gi3638956 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2908
gccaggggtc caggggaggc caggggtgag aggccaggcc cagcctgcca gctgtgtggg   60
gggccgacag gtgaggggcc gtgttgtggg gcaggagggc cgggtggggg gcccctgctg   120
cccccacggc tactgtactc atgccgcctc tgcaccttcg tgtcccacta ctcgagccac   180
ctgaagcggc acatgcagac acacagcgga gagaagccgt tccgctgtgg ccgctgcccc   240
tacgcctcag cccagctcgt caacctgaca cgacataccc gcacccacac tggcgagaag   300
ccctaccgct gtccccactg cccctttgcc tgcagcagcc tgggcaacct gaggcggcat   360
cagcgtaccc acgcagggcc ccccactcct ccctgcccga cctgtggctt ccgctgctgt   420
actccacgac cagcccggcc tcccagtccc acagagcagg aggggcggt gccccggcga   480
cctgaagatg ctctgctcct tccagatttg agcctccatg tgccaccagg tggtgccagt   540
ttcctgccag actgtgggca gctgcggggt gaaggggagg gcctctgcgg gactggatca   600
gaaccactgc cagagctgct attcccttgg acctgccggg gctgtggaca agagctggag   660
gagggtgagg gtagtcggct gggagctgcc atgtgtgggc gctgcatgcg aggagaggct   720
ggaggggggtg ccagtggggg gccccagggc cccagtgaca aaggctttgc ctgtagcctc   780
tgccccttTg ccactcacta tcccaaccac ctggcccggc acatgaagac acacagtggt   840
gagaagccct tccgctgcgc ccgctgtcct tatgcctctg ctcatctgga taacctgaaa   900
cggcaccagc gcgtccatac aggagagaag ccctacaagt gcccctctg cccttatgcc   960
tgtggcaatc tggccaacct caagcgtcat ggtcgcatcc actctggtga caaaccttt   1020
cggtgtagcc tttgcaacta cagctgcaac cagagcatga acctcaaacg tcacatgctg   1080
cggcacacag gcgagaagcc cttccgctgt gccacctgcg cctataccac gggccactgg   1140
gacaactaca agcgccacca gaaggtgcat ggccacggtg gggcaggagg gcctggtctc   1200
tctgcctctg agggctgggc cccacctcat agcccaccct ctgttttgag ctctcggggc   1260
ccaccagccc tggggactgc tggcagccgg gctgtccaca cagactcatc ctgaactagg   1320
tccttcttcc ccatgtttta tacagacgga ccagaagcca ccttttctc ccccgctggc   1380
cagggctcc acacagacta acgtaggcac tataaggacc agcccaaccc catgggcggg   1440
ggggcccata tggaccaggg gaccttgcct tgactgaggc acttcacgag ctcagtgaga   1500
agggccctgt attcacctcc actgccccca ggggctgtgg acaaaccggc tggggggactg   1560
cccagcctcc cacctgttta tttaacttat ttcagtgctt tataataaag gaaacactaa   1620
caaaaaaaaa aa   1632

<210> 2909
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (812)...(322)
<223> similar to gi5640017 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

      <400> 2909
tttttttttt ttttctcaaa ccaaacgtca ctttactttt ttggtaactt ttcattataa   60
taataaactc tatggggggat tttgcagcct ccataatctt ctcccttgta acaaacgtgc   120
agtccgttca caagctgtaa aaacaagccc aaacccaaga catcacaaga ggcaagagca   180
gtggcagtga gaagggaccc tgtaaaggat gtttcaaagg agggtcccag gctatgtggc   240
cactggatgt aggcagtgag ctgagtccag gctttcggtc tgggaagtgg cagaggctga   300
cacaatggcc aaagaggatt tggagaggaa actatgctcg gtttcactcc tgccagccca   360
acagcctatt ccctggtgtg aatcaactgg tgtttgatca actttgatcg ctgggctgaa   420
ggctttccca caagcagcac agtcataggg cttcacccca gtgtgaatcc tctggtgctg   480
gatgaggacc gaacgctgac tgaaggcttt cccacactca ctgcatttgt aggggcgctc   540
gcccgtgtgg attatctgat gctgaatgag gtgtgagctc tggctgaagc ccttaccaca   600
ttcaacacag gtgtagggtt tttccccagt atgaactttc tggtggtgaa tgagatttga   660
gcttcggttg aaggctttac cacactggtt acattcatgg ggcttcagcc cattatgaat   720
cctctgatgc tgaatgaggg ttgagctctg gctgaaggtt tttccacatt cagtacattc   780
atagggcttc tctccagtgt ggactcgct   809

      <210> 2910
      <211> 1197
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (17)...(500)
      <223> similar to gi567232 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

      <400> 2910
ggcagcctga gcgaggagac ccccgccggc cccccacct gctcagtgcc cccagcctca   60
gccctaccca cacagcagta cgccaagtcc ctgcctgtgt ctgtgcccgt ctggggcttc   120
aaggagaaga ggacagaggc gcggtcatca gatgaggaga atgggccgcc ctcttcgccc   180
gacctggacc gcatcgcggc gagcatgcgc gcgctggtgc tgcgagaggc cgaggacacc   240
caggtcttcg gggacctgcc acggccgcgg cttaacacca gcgacttcca gaagctgaag   300
cggaaatatt gaagtccagg gagggagcgc cccgggccgc gtccgccccg tcccacacta   360
cgcccccgcc ccactcccgg ggcctgctaa tctgaggccg atccgggacc ggcctccttg   420
cgtctcccat tcccaagatt gtcccgcctc tgccaatccc cgccgtcctt ccagcccacg   480
acctgccgcg ccgaggagcg gcatctgtcc cgtttcccga ttgggtctgt cgtctctctc   540
cgcctagcga cagattcctt ctattaaggg attggctcgc tgagttctaa gctctaaatg   600
ggtcaactcc tttgttttcc gcctagcgac aagggatttg ctcgcacggc attggctcca   660
tcccctagtc gctggacagc tcttttttg attggctcaa atcctgtaaa gggcttgacc   720
agtctctaca tagtcaccgt ccgcttttcc tgagttctcc ctcccaattg gctccagctt   780

```
cctgggggcg tggccaagcc ctcctcttcc cagaattggc ccggggcctt caatttacgt    840
tctttacact acggggactg gggtcgtctt tgcccacgtc ccgacaactt gttccctgac    900
cccctcaggg atggccccaa actgtccctg cctctggcac cccctttcat tggttccatc    960
catccccaca acagcctgcc aatcgaagcc cgtccctgca tccaggatgg taccagctcc   1020
cgcccctcgc cccccacctc cacaggtgcc ttaaagggcc ctcgtccacc caaggtgggg   1080
ggcaggggcc ctcactctcc ggccctggtg tgggggagag agtgaggggt tgggggatcg   1140
gcagttggga ggggcgctct gagattaaag agttttacct ctgagataaa aaaaaaa     1197
```

<210> 2911
<211> 2228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2227)...(1017)
<223> similar to gi5911290 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2911
```
tttttttttt ttttaatcaa tatttgaaaa atgtaacttt tattctgaac atgtagtatt     60
tatctttatt agcaattttt ttcataatat aagcatgcct caatcatcca aaagctatct    120
acctatctat ataaattgat atacatgcta ctgaattgac ttcttaatag actcatatgg    180
taagtgttat aatgactaat caacctactt ctgataattt tggtgtaaac aaaaatgata    240
tttatttttt attaaatcaa gtttacctat caaattccct tttagaaaaa cactgcaagt    300
ttagtcttac caagattgca agtaaatttt aaaattatgg tgctgtaaat aaaaaggttt    360
taagttgaaa tgtgtactga gattagccat atcacaaaag tcctatcatg ggtaatgaaa    420
agtcttattt ttaatatatt tttgtttcct ttttcttttg acatgtggcc caagataaga    480
aggtcttatt ttttaaatgc caaagaacag tattcaacaa aattcgattt aattttatat    540
ctaacaaaaa catagaaact ggctagtcat attcaagtca attggtcaca ttgtatggaa    600
tacaaaaata aatgagaaaa aaaaccagtt ctacaaaaat gctttgttat tataatactg    660
aaccacatta aataaaaatt catttttgaa aaaactgctt gctataagaa aatgaaagtt    720
agcaggataa atcataagca aaacatttag aacaaatgta tgaacacatt gtggttatca    780
ccattacaaa tgtatacaac accttacaaa aatcttaaat aaaaatgtaa aaatatttac    840
tggcagtgaa tatggcccag gctaattata ccaacgggta ggtgatactg ggaaactaca    900
agatcaatta caataatcac cttttaagat gatactaaaa caaatgttac atcctcctta    960
gaattaacca gggttaataa tacatgacaa gggttataaa gcaactccat gttaagtagg   1020
aattcggtct ctcaaatatt caagtatagc agctgttcct ttcattaata tggctgctcg   1080
aggaactcgg aatggatttc catccagtag taatgttctt aagtttacac aattaccgag   1140
ctctggtgga atttgtaaga ggtcattatt ttgaaggtcc aacgtggtca gattttccat   1200
catcttcatt ttctgagggt ccacagatcc aacctgatta ttactaatca gaattgtttc   1260
aagtgtgaag atacgatata gaacttcagg tagcatttta aacctattaa aggaaagatt   1320
gatcgtttgc agtcttacca gtgattccat ttcttctggc aaagaattta aaaaattgtt   1380
cctgagatct aaaaaagtca atttctgaag cacacataac tccaaggata taaaggaaag   1440
tttattaaaa ctgagatcga catcagaaac catttccttc agttctacca tccttttttgg   1500
aatttcacat agttgattct tactgaagtt aatagaagtg acgatgttgc ttttttactgc   1560
atcaaacacc tcatcaggaa tcaaagttgc ttgtttatca ctatagtcta atatttttaa   1620
tgtaatgatg gcatgtatat tgactctgga ttcactggta gtgtcatggc agtctcagta   1680
gcagactcac ttggctaggt ccatcatctt tgatcttgct tcgtagatat tttaggactt   1740
cttgtgttcc tttacttata atttctcttc gaattgttct caaaggattt ccttctaatg   1800
```

1724
```

```
ccaaaaattt caaatgaagg ttccccaatg aatagggaag actactaata tcattgttgc    1860
ttaggtcaag cctttccaag gaccgtagta gtataatttc atctggaaca gattttaact    1920
tgttatccct caggtctagc acaagaattg aattcagatg tttaagatgt tctgcctcta    1980
acatttcaat ctggttttca cctacgtgca attccttcaa tagactacaa gaaggaaatt    2040
ctggtagaaa acgtaattta ttcctccgca aataaagcaa ttctagtgat tccatgccag    2100
ccaattcagg aggtatagtt tccaagagat ttgaattaca atccaaatgc ttcaaccttt    2160
tcattctatt tatttctgct ggcaaactct tcagttcatt actagaaaga ttgagtcgca    2220
ccagactg                                                              2228
```

<210> 2912
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(467)
<223> similar to gi3880922 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 2912
ctgcagaaga tttgccttat tatggtggct ccgtggaaat tgctgactac tgccctttca      60
gtcaggaatt cagttggcat ttaagtggtg aatatcagcg cagctcagat tgtagaatat     120
tggaaaatca accagaaatt tttaagaact atggcgctga aaagtatgga cctcattccg     180
tttgtctaat tcagaaatca gcattcgtta tggagaagtg tgagaggaag ctgagttacc     240
cagactgggg aagcggatgc tatcaggttt cttgttctcc tcaaggtctg aaagtttggg     300
tccaagatac ttcatatttg tgtagtcggg ctgggcaggt cctccctgtc agtatccaga     360
tgaatggctg gattcacgat ggaaacctgc tctgcccatc atgttgggac ttctgtgagc     420
tctgtcctcc agaaacagat cctccagcca ctaacctgac ccgagctctg ccacttgatc     480
tttgttcctg ttcctcgagc ctggtggtca ccctctggct tctgctaggc aatctgtttc     540
ctctgctggc tggatttctt ctgtgtatat ggcactagga atggaaaagt ggatcttcaa     600
gatattcttt tatggtatgt tcttgggaac aaagcacaaa gtttgagtga gtgccaacct     660
atgcagatgg tagaagtggc attcctggct ttggcttgga agattgacga ccatcagacg     720
```

<210> 2913
<211> 1771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1772)...(1416)
<223> similar to gi3875473 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2913
```
acttatctgg atacacatac attcattaca gaatttaaaa agaattggta cctgtttgta    60
ctaatataga ctaagttgca ttagtaggaa acaaagcaaa ctggaaggta cttatttaaa   120
aatcattatg aaagcatttg tccatctatg taacatgcat gggtgggaag ctagattaat   180
attcaataac cgggggaaaa gggtaagggg gtgagttagt gtctggtaat ttttttttac   240
caaaaaatga atttatgatg agaaattttg aagaattata ctgtagcagc aatagctgat   300
ttgtaagtat cgtcttttat atgtagtagt tcttcactag agctcatgaa aaaagtattc   360
catttaagat gttacaaatt acttgatgtt ttaatatgtt ctttgttgaa tagcttattt   420
tacatttcag tcaaaatagt tatttcacag gtgaaaccac taagtagctt acttcctacc   480
ttttaaatta ataaagttac agtcagccac attgcttgag tcttgccaaa atctttagag   540
aaacaacaca aactcagaca tctaagtcag atcaaattag agcccaatat ttttgatact   600
tttattgtat atgactagtt ttctagaaaa ctattccaga agatacagtc ttccttccag   660
aaaatacagc tttactgtcc ttaagtgcct aatcattttc aagaggagga gcaaacagtt   720
tgccctcaag tatctggtct atcaacaggg gtctggctaa ggaaaaaacg gccttagaga   780
gtgatgaacc tacttaacac tacctggtac ctcaactcat gctaaacatt ctaatttgag   840
caaagctaaa tcatgggtct tagtctgttt agcaaaatct ccacaagatg aaatttagct   900
tactacccca aactgttcaa tgttttgggt ccaatttaga cacaaaaaaa tgttttataa   960
tcctagacat tagattaatg aactttttaa aaacaaagtc atgtttgggc ttagaagttt  1020
gcataatgtt acacagaatg attatgatat cttccgaaac agcttggggt tggggggaag  1080
ttacacatag gtgcatttgc ataactatcc aaactatttt actgttttca caagtacaac  1140
ataaataaca aaggtgctaa tttcaaagac aggtttcaaa caatgagaat aagaatatat  1200
tatttcatat caggcaataa taaccttagc ccaaatactt ttaacatcta aagtgcatta  1260
attgacttcc ttaggaattt tcctaaggac caaaggtaga tacaaatggc ctattttaaa  1320
tagtaatatt actccatgtt cacagacact taaaggcaat cactattcaa catacaattg  1380
tggaaattac tgatttttag ttctcagaat tagagttccc tttgtttttc ctcccaggca  1440
aaggaaagct tgatttgctc tgggggttgag aaagtttact ggctaataaa gtgaatggtt  1500
caatcagagt tttccgatct gtaacagtca cctcccacag tcttactttc tcactttttg  1560
cccactgctg tgccacttca gcgtccactt gtctctgctc agaaaggtcg attttgtttc  1620
ctaataccac aattgctacc tcttttttgt ctttgaactt atcgatttct ttcttcagaa  1680
gctccactct ttgaaaggat tcaaggttat tcacactgta cacaagaacg aagccatcag  1740
caaatgaaaa ataatgcttt ggcagctcca a                                  1771
```

<210> 2914
<211> 1309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (734)...(181)
<223> similar to gi1644232 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2914
```
tttttttttt ttaatagcca agtattccat ttattaacaa aataagtctt accaagggag    60
agctctgttc gtcccaaaca ggccccgcag cccccgcgct gccgcatcag accagaagga   120
gggaggagtg gggagaagac cccagtcgct gggggggtcca ctctgggggc tctgccgggc   180
caggcctagg agagggcggg ggctgctgtg atccgagagc tccctgacgc cccaaccttc   240
```

```
cccgaacgca gctaacgagc tcgtgacatc cgctgacatc gccaccggtc tgctttggag      300
ggatctagcg agagtcacct accccacccc tactgccagg ggaggggtcg ttgcccccccc     360
gagggagaga aaaacaagga ctataatgca cttcgcaaaa tgtaaggggc cggcttcacg      420
ccagcggggc cttctggac tttgaattca accaggtgag cgctccaggt gccccgacag       480
gcgcactgta gccactgggt gttaggggcg ggagtctgga aggtgacggt agacggccac      540
ttgggccctt ctgggggcga gcctactggt ggggtcaggg ctctccgtgc tcagagcaag      600
gtagaggagc aaggccctac ttttggggggg cagggtccag accaaggacc ctatgcgcgg     660
agggtggcgg gggaggagtc ccggagcagt gtaccaggtc aatagagctc cagggcccct      720
gccacccagg tggcccccct cacccccaaa atgagttaca aaaaaaacct cctctctgtt      780
acttgtacaa caaaggaaaa aacaaaacaa aacaaaacaa aaaacaaaaa cagaacgcaa      840
atggaaggaa acaagaggga atgaaggggg aagagggaaa aagagaaggc ggaaacgtag      900
ttttaagtta agactcatgc aagaaactcc ccaggaaggg aaaacaaaac gtctagaaga      960
acccaaagac cccaactctc cctcaaacca aaccaatcaa aaccaaaaaa agaggaaaag     1020
gaataaaaaa tgtaaaactt atatctaaga aaaataaca gaaaggaaca ggggcgggga     1080
tcatgtcgtt atttgtggga ttaatattat tatttgggag aacacagact ttttgcatac     1140
cattgactca tgtgggccgt taatgcactt atattcccag cttgtaagct aacattatag     1200
taaataaata cacagtccgg tggggaaggg ctgggtgggg aatcccggca gggtcaagca     1260
gtagtggagg ttgcagcggc gacggcaggt ggggagggag gaggaggga              1309
```

<210> 2915
<211> 1507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1509)...(292)
<223> similar to gi3183977 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters -

<400> 2915
```
ttttttttt ttgttgagca gttgtttatt ctggccctca cagccttggc tagtccacaa       60
aggccctggg gatgggcaac aggctacagg aacccacctg tcttcctggt cagggcccct      120
ggcccctagc agcaggccaa tcctggtggg gcacagggtt ctgtgcccctt tggctgccta      180
cctctgaata tcctggccag caagccatgc cttccccgcc cctggggccc tgggagccct      240
tcagctcctg tccccataat gggtcctggg cctaggatga ggggaaggtc ccagtttctt      300
gtagggtgtt atctgggggt cctggtgtgg gttgagctgg agggctgtgg ggccccaaga      360
cccctgtgcc attggggtgc tccaccctct caaacaggat gagcatctca cagtgcgggg      420
tctgcgggaa caggtccact gcccacagcc ttgaccggcc ggaagggaat gcccttcacc      480
cggttagatg gggctctgca gaggtccaca aagttgccca tggctgcccg ggggttgcat      540
gagacgtaca gcagccgcct gaggttctta gctctccgga tggccaggat caccttggaa      600
tgcaagccag cacggggtgg gtccaggatg gccacgaggt gctgggaggc cagtctgctc      660
accagggtgg gcaccaggtc ctcggccctc ccgcagtgga actccacatt actcaactca      720
ttgtcctggg cgttcacccg ggcgtcctcc acagcctctg ggcatagctc gaccccaatg      780
accctcttta ccttccgggc cagggccagg ccaatggtgc cggtgccaca gcacacgtcc      840
agcaccatgc tccccgcatc caattgggcc cagtcctgga tgactgtgta gagcacctcg      900
gctgcgggtg tgttcacctg gaagaaggcg tgtggagaga tccggaaggt cagccctagc      960
aggtcctcgt ggatgcaccg gtccccagcc acatgctcca ggggcaggcc ctcctggcta     1020
ggagtctttc gctgtccctc ctccacaaag tagaggcagg tcactccact ggccctgcct     1080
ggccctgctg tgaagtgctg cgctagggag gtcttcagct ctgccagctc ctcagggctc     1140
```

```
agcttctggg ggtggaagta ggcaatggcc atggcctggt ggcggcggct ggtgcgcaca      1200
gtcagctgct tccagtggcc tgtgtacgtc tctgggtcgt atgccgagta tggagtggac      1260
cggatgaact cctggaaggc cttcaccacc tgcttggtgg cttcggggat gtgcacggtg      1320
tcaaacgggg ctgccacagc acacgtcccg cccttgtact tgccgagccg acagcccacg      1380
gtgttatcct ccccatccac cccgacgcca accagaaact cacacttatt acaaatactc      1440
agtctgctgg ggtgatagcc tgaccccctc cagcgggcag caggccttgt tgtgctagtg      1500
cctctgc                                                                1507
```

```
          <210> 2916
          <211> 430
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(359)
          <223> similar to gi560476 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 2916
gaaaacctga aaatcatgtt gaagctaaac ccatatgcaa agaccatgct ctgcaacacc       60
aggctttgcc aggccagcaa ccacaaactc caggtggata aggcagcggc ggcggtggca      120
gcagcagcag cagcaccagc accagcacca gcagcaccag cagcaccagc agcactagag      180
gccaaatcag atgagaaagg gggttgcagt caagaagcct gtggtaggga agaaaggaaa      240
gaaggttgtt gtttttaagc aggagaaacc tctggtggga aaaagggcag cagctaccaa      300
ccaagacatc agtagctgaa aaaaaaacct accacagagg aaacgaagcc tgctgcatga      360
gcttgttggt ttattccata aaggtcaaat aattttggac agcttatttt taataaaaga      420
cctgatcagg                                                             430
```

```
          <210> 2917
          <211> 1104
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1107)...(186)
          <223> similar to gi2224903 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 2917
caaaactttt cttttctttt tttggcatgc aggctctttt tactgttctg agcagtgttt       60
tgcaatgtgt gacccctccg cactgttggt gaacatacag aacctcctat atgggcaccc      120
```

```
aagcccaggc cagtgtgaaa accttggcgg gggggtgggg gagaatgaga aggggaggcc        180
cctagcctga ctcagaggtg aagactgcta ggccctgctg tccttggggt acgaactgtc        240
aagggccttt acctcccccc gccccgcggg gtgggctttt ggaaggtgga tctcccagga        300
cgtcatgcag ctccgggcca tccaagatat caggaaattg ttgagcaccc gttacccagc        360
cggggaactg ggctttgacc tcaatttcaa gcctttctgg aatctcccca ttcacaatac        420
ggagagaact ctcaaaggga ctttgctgcc cacccagtgg cactgtgaaa ctggccgatt        480
tgggcaccag acgctgagcc actccatccc tagcaaaccc cagcatgaca ctccctggca        540
gtagctcccg aacgtccaca tcgccacctc cgttcctagt cttgccaaag aagatctcta        600
gcttgtccag cagctcctcc tcactcagcc tgaggctggc aggaaatcca gtgaccaaca        660
ccctccggcc actcaactgg ctggacacca tcacctggat ggtggtgacc atgggcagct        720
ccaagggctg gacctgcacc cgcagccggc actcctccat gttgatcgtg tgctcctttt        780
gttgcagcac ctgctcagcc actttggggt catcaaaggt gatcagagca gagcccgcaa        840
gcagagggca gtggatccgc aaattggaaa ctaaagactt aggcacttcc gggtcctgct        900
gggtgtgtcc tcggaatacc aggggggatct tgggcactga aaatgggacc ttgtctttgg        960
gggagtcccc gagctccttt ctcagctgct gcaggtccca cagcctcatc ttgagtctgg       1020
cctgctcctc ctgaagggcg tggagggcgg tctggcctgc tcctcctgaa gggcgtggag       1080
ggcggcatcc agtggggctg acat                                             1104
```

```
<400> 2918
tttttttttt ttgaaaatac tgttttatta acaccacagt gataaacaac tttaagctta         60
tgtttcttta tagatcactg gctcacacat aattcaaaac ccacacagaa gctaagagtc        120
tttacattaa atatattctt cctaaaaatc cttactgtat gcatctgtcc tcaagcagta        180
aaatttgatt atgccccatt ttataattaa tatggtcaca tttacatagg caaaataatg        240
gaagggcaca gctaatacaa ggcaaactta aaccctttct acttctgagc tggggggtgg        300
ggggcacaca cttgggattg gttcttcaag tatgtatttt ttccaaacat tagcttcagt        360
gaagagttct gatgattttc acagctaccc ccctaaaagc tacatgacag aaagacgtca        420
caaggcgcaa agtacataac gctggataca catgctttac ataatttgct acattctaca        480
tctcttcaag taaattaata tttctaaaac gctaggtaaa gtgatttaat acttaaacat        540
atttggggta ttttttacgt gtttgtaaat agacagtact aagaaaacac aaacatgaga        600
ttgtaactaa tgaatacata tgttgacagt attttacagg ttttacaccc tccttcttgg        660
aaccatgttg tttctctaaa ttcaaatact caaaacattt ttcagaactt gaaatggcag        720
ttttcctggc cttattaaca gtagtgtcat gatctccatt gcaatcttcc tcaatgccat        780
caatctcctg tgaagtgtaa agctgatgtc tgcgttacaa aagcaaagtc tcaaagatga        840
cgtttttctt gggttctgcc ttctctgcac tgcgaaatgt catgagtaaa gaaatttaag        900
aattaagcac tgagaacgtg ttcagtcatg gcttgggtgt ccatgtgta gcgtatgctg        960
tgtgatgaat gggtttcaaa gtgacgttct ttacttcgca tctgctaaca ccctttgtaa       1020
acctcaatcc tcagagaaga gaccatgaaa acataatttt gggtttaatt cagtttttctt      1080
taacaccttt tgatatattt attatgttca aaatgaaagt caaatttgaa tcgagctggc       1140
caggatctaa ttgctttaat ttaatctatt ttaggaatgt cagaataaat tcacattgta       1200
```

```
ttttggtcaa aaacctgagc cttttttaagt ccatcgatat tctgggaaaa acaaaaccag    1260
gctttttttct tcgtgggctt tctcttcatc catctctgcc ccccttactt cttggcgtca    1320
tcaggcatct cggcgtgggc atcgtcatgt ttggcccccg cggcagcctc tgccgcagcc    1380
tcctcctcct cctcgtcttc cccctcctcc tcgtcatcct cgtactcctc ttcctcctcc    1440
tcctcccctt ccaaggtcca tgcacacccc tccatctcgc cggtgagctc ttggatcttg    1500
gcgagtaggg gcttatagat gtcattatac ttttttttcca gagcctgaaa ttccttatca    1560
aatttggctt ctatcttatc gcatcgcttc tgcagctttt tgagggccag gactcggcat    1620
ttcaccgaat taggcaggct ctcgataaag tcatttttcg gctttggggc attctctgca    1680
ggggtctggg gctcctcagc catctgacca gccgcgctgt cagggtcacc agccgcgctg    1740
tcacagtctc caccctgcgc accgccttcc gccattacct cctctgccgc tgcctccgcc    1800
gctgccgccg cctggctagg ctccgcaggc ccctggtttt ccgagtcggc catgttagag    1860
gagaagccgc agaggtctag gagggctccc gcagaggccc tgcacccgag ctcggacgcg    1920
tggg                                                                   1924
```

<210> 2919
<211> 1966
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1875)...(1168)
<223> similar to gi460903 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2919
```
gaatgcacct gagtcactgc tgtagctaaa caagcaagtt gtaagaaaat ccataggcta      60
tacagacttt tggcaatcca tcaaatttat cacctgaggc tgctgttaaa tgctgtgctg     120
gaaagaacaa agacaggtag agcttacagg acaggacaga acaacatgga tgtagatttg     180
ctcatcctcg cccaacactt agcaccagtg cccaaatctt ttatttaggg aaccgtctcc     240
tgctgactac atgtccaggt ctccatgcca aatgagccac aggatcctgc ctgcagcaca     300
cacactccaa ctcccatgga aattaagtct ctcattctta acaacaaaga aaagccaatt     360
aaaaagtaaa caaacaaaac tgagaagttg atcttaattc ccactaattc tctttcaggc     420
ccttgggcaa gtactaattt ttatagctgc tttatcctac tgacattgca aggcagggat     480
taacaagtct agtttctttt attgccagaa aattctttac atctaatata tattccatgg     540
ctacaagttc caacccgttt cccccatgat tccattagag atgtcttcta ttttccaaac     600
atcaccaatg agaggcataa gacagtgcat taatagttca tctggagatt cccctagtgg     660
tggttaacaa gatttcatca cagtaaaaaa ctgtgataac aggatccaag agaagttgcc     720
gaaaagttta agaaggaact caagtgatgt ccaactttgc aaaccgtgtc caatgacaaa     780
agaaagaaaa tccaatttcg gttcctggaa cactttacat tgtaattcat ttcggcctca     840
tgagactatg gaaattggta agcctgctac tgtgaagaga atggtatgca attaaacatg     900
catgttactg cttttgttt tggaagacca tgctgccaat gtttctattg gatgtgttca     960
aaaatgactg gagagatcaa tacaaagcca acaatgttta cttctgtgac cacagaagac    1020
tactgagtgg ctgcagagca agtcttgatt attttctgtg aaatgtatgt ttatcccatt    1080
ttctgatgta aaattttttca aggtttgtga tttttctttt acataaattt tagtgccaag    1140
ctccatttgg tgaatgtctt cagaatgagg acactggaca agcttctctt cacaggtgga    1200
gtttctggtg tctaagaagg cttgaccgcc tgctgaagtt tctcctgcat atgctacaag    1260
tatatggctg ctcacctgtg tgggttctcc ggtgtttaat aaggtgggag ttctgactga    1320
attttttttcc acattcatga catgtgaagg gcttttctcc tgtatgagtt ctttggtgtg    1380
tatgtaaatt tgtattttga ctgaagcttt tcccccccca tgaacattta tatggtttta    1440
```

1730

```
ttccttggtg tgttgttaag tgcttattaa gatctgaact ccatctaaac ctcttatcac   1500
actgttgaca tttataggt ttctcttcag tgtgaattct ttggtgctta ataaaggtca   1560
ggagctaact ctgaaggttt tcccacattc ctgacattta aaaggcttct ctcttgcaca   1620
atctttcttg tgacgatcca taagtttgag cagctcttgt ttccaggttg aaagtttctt   1680
tcttttcttc actggaaaat cttggtgcca ttttcccact ctgtgcatat caaaatgatt   1740
ttctttgcct gctgtttttct ggggaacttt tactttggcc ttttttgata tgacgcctgc   1800
tgatgcttgt atttctaagt cagaaagaga cacaggctga tgattttcag tgtcgttttt   1860
gagctttaac cctgtaggag attttccggc actatcctta aactccgggg atacttgaac   1920
ccatggctct tccccttgct ctagacagga gatcacttta ggtttg               1966
```

```
        <400> 2920
tttttttgaaa tctggtccca aagtttcaaa agaatactaa tgcaacaaaa agaaataacc     60
tctctgtata aagtgattat agagatgtgt gttgaggtaa acagcttcat aaaaaccgtt    120
gagcagggaa gcacagccac tgctatagaa atttttaggt aagtctggtg ctagcattat    180
tctacaaaac tgtttacacc cattataaat aggggacagt tcttattgct cctggagctt    240
gtagctccaa tctgttccag ctccactgaa aaatgatttt tctcaacaat tggtagcaaa    300
gatttccaaa tttacaaaaa gtcattacca atgcatcact ttttgattaa tttctgattg    360
ccatatagat atggactaca gtatgcatgt ccttgacacc aagtacagaa aaaaagctta    420
gaaaagtcgt tttatcaaag ttcagttcaa tgagaaacat gaaaaagtgc aaaatatgta    480
caattcctgg cagttctcac acgggatttt tttgactaca gaccataaaa gtttacattt    540
gtgtaatgaa atgacgatgg atttcacatc actgttaata tacaagtttt tgcttcaaag    600
tgcttacttt atttataaaa gagaagatca agagggttgc aggaattttt ttttttttaac    660
aacaaatcaa tggtatgtgt cccaatctcc ttcttcctct tcctttagtg caacatggcg    720
cagcagcctc atggataagg tctgatttca aaagacattc ctgaaacctc acctacagca    780
gcactctagg ggtcccatta ggggtggctc tctttttctt ctgcagccga ttctgaacct    840
ttcgagattt tactactttc attctcacct caaaaacttc atgaatggcc ttccggaagc    900
aatgaaaatt atagtcaatt agcccttttc tttcaaagct ttcctctctg acaaagcaaa    960
cgagagccag gaactttgtc acctctttta aataaagcac ggttgtatta ttaagcttta   1020
tgatggctgt ggattccttg tcataggggg ttcctgctcc atcttctttg agaccataaa   1080
tacaagagat gtcaataacc acatctatca tatcacagca gagctcatag gtttgcatat   1140
ccaccggagt actatcagtt gcaatataaa ttttactgac cacatcaaat agaaatgcct   1200
tttcaattcc agaatttgag ataaagatgt tcagcaaatt ctccagagtt gggagttgtg   1260
gaatcagttt ctgaacaact ttgctaaaag cttcaaatat tgaatgatca tatatgcttg   1320
tcagataaaa gctgaggtga attttttcta atccagcatc tgcaaggtca tcgtttgccc   1380
```

```
tctggtgaat atctctttgg gtttcaattt tgtggtcatc tgacagacca tccactttat   1440
gaataaacac ctcgaagttg atgtcagtat tcactttgta ggccctggtc accgtgaggt   1500
ggagcctggc cagggcttcc atgtaatcat cctgtgagtc aatgacaaat atcagtgctc   1560
ctgttccccg gaagatcatc tcatagtcaa atgtagggtc aaaaaagtca atctgtcctg   1620
ggaagtccca aatctgaaaa ttgacaaagg agctgttgga aacatcttcc cggcatatct   1680
tattagtgct ctccaagaac agagtttcgt tgggagacat tttgtgaaag acaactttct   1740
gaatagacga cttgccgctt ctcctcaggc ccatgagcag gattctcggc ttcacttcag   1800
tgctgaaggg gtcactgaag tccagaactc cctcctctgt gccgctgtcc ggatcggcgt   1860
cggaggagtc gggcccgtct ccgtagtccg ctgaattccn ccgcngtgac tgagtctcat   1920
tccca                                                                1925
```

```
<400> 2921
atcccggccg catggtctcc cacaccccag cccctcctgc aagcttccct gtgccatacc     60
ttccagggga cccaggtgcc ccatgctcta gtgtcctccc aaccactggc atcttgactc    120
ctcacccagg acctcaagat tcctggaaag aagccccagc ccccagggga aacctccaga    180
ggaacaaggt caatgcatct ttccctaccc actccctcgc acattcacca atgaccacgt    240
tctaattcct tggaggattc agtcagtcct tccccttctc agactgtccc cgccctcctc    300
ccacttactc ttctttcctc agaaccctct tctttctctt tccctcttac acacatacac    360
cagtctcctc acttcccagt ttcccacact cactcttctg tctccttgtt cactgtcatt    420
cctgccactc cccaaaacca gagccatgga gtctctcagg ttagactcat gtctttcctt    480
ctgtctcttt agctgccaga gacatttatg cccccagcac caattactgc tccagttatg    540
agcctcaccc ctgagctaca agggattctt ccctcacagc ccctgtctc cagtgtgagt    600
catgctcccc caggagttcc aggagaactc agcctgcagg tgacaaggac aatgtattcc    660
cctcccttgg gaaaccttcc agccctcctt gggtgcaggt catggtagat gggcctcatt    720
cctcaaggca tgtgctgagg gagactgggg gcaggtacca ggtgtcctta ctgcagagaa    780
agggaggctg ctcatctccc caactctgct gtaatgggaa cagtgtgact gtgagtcact    840
ggggactagt ccttagggaa gccatgagaa ggacagcttg cccctctggc ctttctccct    900
gcttctttat cagcagcttc agcacctgcc acctgagaag atggaaagga aggagctgcc    960
cccagagcat cagtccttga agagcagctt tgaggcgctt ctccaacgct gctccctgtc   1020
tgcaactgac ttaaagacaa aaaggaagct ggaagaggca gcccagcgtc tggagtatct   1080
atatgagaag ctctgtgagg ggacactctc acctcatgtc gtggctgggc tccatgaggt   1140
tgcccgatgt gtggatgcag gaagctttga gcagggcctt gcagtgcatg cccaggtggc   1200
gggctgtagc agcttcagcg aggtgtccag cttcatgcct atcctgaagg ctgtcctcat   1260
catcgctcat aagctgctgg tctaaaccag gcagcctctc ttgctaggag gccacttctg   1320
ctgttacata actcctccct gcagaagagg ggacttctgc aacagattct gtttctttt   1380
cccgactctt ttccttgctg ccaggtatgt gatgctgtag gcttggctcc aaaccagctg   1440
agtgcctgct ttttactcct ttatgtctgg ccttctagga tctgtccaag acactctcag   1500
gcctggaggg agggcatag atcagttctt cactctccct aatactacac tctgtaagga   1560
cctggggcag gatatcttct cccccaggga tcttctattt aagtggcttc tgagagggtg   1620
```

```
aacaggattg ttacttttaa gcctacctct gctgtgaccc atcatgtggg tcttttgttt   1680
ctcccttctg tggtttatga gcctgccctt accttttccc tgcctctgac ttggtatttc   1740
caggtccgta tttctctgta gcccagggtc tggggtagag ctgactgctg ttcacccttt   1800
gaacaactca tggacgtgag ggatggggtgc tgagcagaac caagagagga aactttggcg  1860
ctgttaaaat ggaatttctc atctgccggc attattaagg gtgggctagg ttggatggaa   1920
ggtgaaaggg atgaactgcc ttttgctgga agctgtctta ggctgtgaga caggagcagg   1980
ggaaccacag cctatgggga actgcccttg actccaccta tgttggagcc ttagcccaag   2040
gccattcctt ctgtgatgat aaagcccagt tctggaattg gagccatatt aaggaatgat   2100
tctcttccag cgctgctcct caagggttgg gggtccttct ccctcgcagc caccacatgt   2160
ctcagggcta ccttctccga ttggatttgc atttgtggca ctgtctttga tgcagtgatg   2220
tacttaatgg tgcaataaag ctgcttcgat ttggtaaaaa aaaaa              2265
```

```
<210> 2922
<211> 5433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(2065)
<223> similar to gi5902966 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2922
cggacgcgtg ggatcattga atttgaccca aagtatactg ccttcgaagt ggaggaagat    60
gttgggctga tcatgatccc agtggtgagg ctacatggaa cttatggcta tgtgacagct   120
gatttcatct ctcagagctc ctctgccagt cccggaggtg ttgattacat tttgcatggc   180
agtacagtca cctttcagca tgggcaaaac ttaagtttta taaatatctc catcattgat   240
gacaatgaaa gtgaatttga ggagcccatt gaaattctac tcactggagc tactggagga   300
gcggtccttg ggcgccacct agtgagcaga atcataatag ctaagagtga ctctcccttt   360
ggagttataa ggtttctcaa tcaaagcaaa atttctattg ctaatcccaa ttccacaatg   420
attttatcac tggtgctgga gcggactgga ggactcttgg gagagattca ggtgaactgg   480
gagacagtag gacccaactc tcaagaagcc ttactgccac agaatagaga cattgcagac   540
ccagtgagcg ggttgttcta ttttggagaa ggagaaggag gagtgagaac cataattctg   600
acaatctatc ctcatgaaga aattgaagtt gaagagacat tcattattaa acttcatctt   660
gtgaaaggag aagctaaatt agactccaga gctaaagatg ttacattaac catacaagag   720
tttggtgacc caaatggagt tgttcagttt gctcctgaaa ctttgtctaa gaagacttat   780
tcagagcctc tggctctgga agggcccctg ctcattacct tctttgtcag aagagtcaag   840
ggcacctttg gagagattat ggtttactgg gaattaagta gtgagtttga cattactgaa   900
gactttcttt ccaccagtgg attttttcacc attgctgatg gagagagtga agctagcttt   960
gatgttcatt tgctaccaga tgaggtacct gagatagagg aagattatgt gatccagctt  1020
gtttctgtag agggaggagc cgaactggat ctggagaaga gtatcacatg gttctctgtt  1080
tatgcaaatg atgacccaca tggagtattt gccctgtatt cggatcgcca gtcaatactt  1140
attgggcaga accttattag atccatccaa attaacataa cccggcttgc tggaacattt  1200
ggagatgtgg ctgttgggct tcgaatatca tcggatcata aagaacagcc gattgttacc  1260
gaaaatgcag agaggcagct ggtggtcaaa gatggtgcca catataaagt ggacgtggtg  1320
ccaataaaga atcaggtctt cctatcactg ggctctaatt tcactttgca actggtgact  1380
gtgatgcttg tcggtggacg tttctatgga atgccaacaa ttcttcagga agcaaaatct  1440
gctgtccttc cagtctctga gaaagctgcc aattctcagg tcggatttga atccactgct  1500
tttcaactca tgaacatcac tgctggcaca agccacgtta tgatttctag gagaggcaca  1560
```

1733

```
tatggagctc tctcggttgc ctggaccact ggatatgctc ctgggttaga aattcctgaa   1620
ttcattgttg ttggcaacat gaccccaaca ctggggagcc tttcattttc ccacggtgaa   1680
caaaggaaag gagttttcct gtggacgttt cctagccctg gttggccaga ggcctttgtt   1740
cttcacctat caggagtgca gagcagtgct cctggcggag ctcaactccg atcaggtttc   1800
attgttgctg aaattgaacc aatgggcgtc ttccaatttt ccactagctc aagaaatatc   1860
atagtgtcag aagatacaca gatgatcaga ttacatgtac aaagactatt tgggttccac   1920
agcgatctta ttaaagtttc ttatcagacc actgcaggaa gcgccaagcc actggaagat   1980
tttgagcctg ttcagaatgg ggaactgttt tttcaaaaat tccaaactga ggttgatttt   2040
gaaataacca ttattaatga tcagctttct gagatagaag aatttttta cattaacctt   2100
acttcagtag aaattagggg attacaaaag tttgatgtta attggagccc acgcctgaat   2160
ctagatttca gtgttgcagt gattacaata ttggataatg atgacctggc aggaatggat   2220
atttccttcc ccgagacaac tgtggctgta gcagttgaca caactctcat tcctgtagaa   2280
actgaatcca ccacatacct cagcacaagc aagacgacta ccattctgca gccaaccaac   2340
gtggttgcca ttgttactga ggcaactggt gtatctgcca tccctgagaa acttgtcacc   2400
cttcatggca cacctgctgt gtctgaaaag cctgatgtgg ccactgtaac tgccaatgtt   2460
tccattcatg gaacattcag ccttgggcca tccattgttt atattgaaga ggagatgaag   2520
aatggcacat tcaacactgc agaagttctt atccgaagaa ctggtggggtt tactggcaat   2580
gtcagcataa cagttaaaac tttcggtgaa agatgtgctc agatggaacc aaatgcattg   2640
ccctttcgtg gtatctatgg gatttccaac ctaacatggg cagttgaaga agaagacttt   2700
gaagaacaaa ctcttaccct tatattccta gatggagaaa gagaacgtaa agtatcagtt   2760
caaattttgg atgatgatga gcctgagggg caggaattct tctacgtgtt tctcacaaac   2820
cctcaagggg gagcacagat tgtggagggg aaggatgata ctggatttgc agcttttgcc   2880
atggttatta ttacagggag tgaccttcac aatggcatca taggattcag tgaggagtcc   2940
cagagtggac tagaactcag ggaaggagct gttatgagaa gattgcacct tattgtcaca   3000
agacagccaa acagggcctt tgaagatgtc aaggtctttt ggcgagtcac acttaacaaa   3060
acagtcgtcg tgctccagaa ggatgggggta aacctgatgg aggaacttca gtctgtgtca   3120
gggaccacaa cctgtacaat gggtcaaaca aaatgcttta tcagcattga actcaaacca   3180
gaaaaggtac cacaggttga agtgtatttt tttgtggaac tatatgaagc tactgctgga   3240
gcagcaataa acaacagtgc cagattcgca cagattaaaa tcttagaaag tgatgaatct   3300
caaagccttg tgtattttttc tgtgggttct cggctggcag tggctcacaa gaaggccact   3360
ttaatcagtc tgcaggtggc cagagattct gggacaggac taatgatgtc tgttaacttt   3420
agtacccagg agttgaggag tgctgaaaca attggtcgta ccatcatatc tccagctatt   3480
tctggaaagg attttgtgat aactgaaggc acattggtct ttgaacctgg ccagagaagc   3540
actgtattgg atgtcatcct aacgccagag acaggatctt taaattcatt tcctaaacgc   3600
ttccagattg tcctttttga cccaaaaggt ggtgccagaa ttgataaagt gtatgggact   3660
gccaacatca ctcttgtctc agatgcagat tcgcaggcca tttgggggct tgcagatcag   3720
ctacatcagc ctgtgaatga tgatattctc aacagagtgc tccataccat cagcatgaaa   3780
gtggccacag aaaacacaga tgaacaactc agtgccatga tgcatctaat agaaaagata   3840
actactgaag gaaaaattca agctttcagt gttgccagcc gaactctttt ctatgagatt   3900
ctttgttctc ttattaaccc aaagcgcaag gacactaggg gattcagtca ctttgctgaa   3960
ttgactgaga attttgcctt ttctctgctg actaatgtta cttgcggctc tcctggtgaa   4020
aaaagcaaaa ccatccttga tagttgccca tatttgtcaa tattggctct tcactggtat   4080
cctcagcaaa tcaatggaca caagtttgaa ggaaaggaag gagattacat tcgaattcca   4140
gagaggctac tggatgtcca ggatgcagaa ataatggctg gaaaaagtac atgtaaatta   4200
gtccagttta cagagtatag cagccaacag tggtttataa gtggaaacaa tcttcctacc   4260
ctaaaaaata aggtattatc tttgagtgtg aaaggtcaga gttcacaact cctgactaat   4320
gacaatgagg ttctctacag gatttatgct gctgagccta gaattattcc tcagacatct   4380
ctgtgtctcc tttggaatca ggctgctgca agctggttgt ctgacagtca gttttgcaaa   4440
gtgattgagg aaactgcaga ctatgtggaa tgtgcctgtt tacacatgtc tgtgtatgct   4500
gtctatgctc ggactgacaa cttgtcttca tacaatgaag ccttcttcac ttctggattt   4560
atatgtatct caggtctttg cttggctgtt cttttcccata tcttctgtgc caggtactcc   4620
atgtttgcag ctaaacttct gactcacatg atggcagcca gcttaggtac acagattctg   4680
tttctggcgt ctgcatacgc aagtccccaa ctcgctgagg agagctgttc agctatggct   4740
gctgtcacac attacctgta tctttgccag tttagctgga tgctcattca gtctgtgaat   4800
ttctggtacg tgctggtgat gaatgatgag cacacagaga ggcgatatct gctgtttttc   4860
cttctgagtt ggggactacc agcttttgtg gtgattctcc tcatagttat tttgaaagga   4920
atctatcatc agagcatgtc acagatctat ggactcattc atggtgacct gtgttttatt   4980
```

```
ccaaacgtct atgctgcttt gttcactgca gctcttgttc ctttgacgtg cctcgtggtg    5040
gtgttcgtgg tgttcatcca tgcctaccag gtgaagccac agtggaaagc atatgatgat    5100
gtcttcagag gaaggacaaa tgctgcagaa attccactga ttttatatct ctttgctctg    5160
atttccgtga catggctttg gggaggacta cacatggcct acagacactt ctggatgttg    5220
gttctctttg tcattttcaa cagtctgcag cttctagtac cctctgttct actttttact    5280
tctatgagat caacattttt tagcttccac acagggactc tgacttcaag agagaagaaa    5340
agtacttttg tacttacatg cctactgagc ccagattcca aaggccttgg ggttctatgt    5400
ttccttaaca ctgaatgggc tttccaagtg cat                                  5433
```


<210> 2923
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (724)...(203)
<223> similar to gi4914617 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2923
```
tttttttttt ttccccttcc cctccaaagt ccagggccac cagaactgac tttattaaaa     60
aaatgacaaa acaggtctat acatatttac aggctgggag ccaggaggct caggtccgac    120
agcaggggcc aggctgctca cttcttggag agcttgactt gcttgtgctt ggggggtgcc    180
cacttgaggc agacggagtc cactgtgatg ggtggtttct tatactgggc acttttgagg    240
tgctcctcca ccagcttggg tgtgacacag atcacgtgct ggcccttcca gtacttgacc    300
atattgaggg attgcagggt actgatgatg tcattttggg tgatactggt catctggctg    360
aggtccttga tggacagtgt gcccccggaa gttcccgcag gatctccagc agctacacca    420
ggaccagtag ctgcggtagc tgaaggcttg cccagggtca gacagcggct tctccgggga    480
gccgactgtg ctctccagct tggagagctc ataactgaaa cccgatgagg aacttcccgt    540
agccgcggcg ttggtagggg ggcaaggtca ggatgcaggc cacattgttt ccatccgggg    600
actcctttct ccttggagaa gtagccaaca atgtgggccc cctgccggtc cacctcagtc    660
aggatgtaaa aacgaacggg ttcccttaaa agtacatgtc ttatggtcca agaaaagctt    720
ggc                                                                   723
```


<210> 2924
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (235)...(527)
<223> similar to gi5081610 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2924
```
caagaagcac catcacaagc gttcccactc accctcagtg agtaagcgtg tagaagggac    60
atggggtgaa gctgggttgt tttggggaaa taaacacttt gttttcccct tacaatatct   120
cccttggagg gaagtttgag gattcctttg gccctgggtc ctcctcccct ctcgaattcc   180
cagacgaggg cttctggagg gcagagaacc tctgcactga catgtatctg ctgatctgcc   240
cagggctctg agtcagaaga agaggagctg cccccaccat ctctccggcc ccccaagcgg   300
aggaggcgga acccctcaga gtcaggctct gagccctctt cctcacttga ttcagttgaa   360
agtgggggtg ctgcccttgg aggacggggc tccccttcct cccatcttct tggagcaggt   420
aagcagttgc tgtgagcgta gaagctggag aactgttgtc ccagactgag aggatgccct   480
ccacaagccc cagctccttt gagggtagac tggattggga gggctgcacc tgtggaagta   540
gaaagaactt cctctacctg cccaagcaag aagctggaga aggaaaactg gacttatact   600
tcctcagagc atgaggttcc tgcctgtgaa gaatgaacag aggggctaga acaaagaaaa   660
agagcctgtc tttctcctgt tgggacttag tagggatttt tctatctcta gatcatggcc   720
ttcggaaagc caagaaacca aaaaagaaaa ctaagaagag aaga                    764
```

<210> 2925
<211> 1181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (108)...(482)
<223> similar to gi537433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2925
```
tttttttttt ttgagatttc ccaggactgg ctttaatttg aaaaatctga ttggggtctc    60
ttcccgtatc agagaaggaa cagcccaagc tatgacccca gggccaggga attcagtccc   120
caccagaccc tgtcattcca tcactagggg gtaattccag gctccccctg ccagccctga   180
gacaggagga cggatgtgaa gttgcccagg actagattct gtctctccaa agtggcccaa   240
gccctgttct ctgtactagg gaagccagct gtgtcttttc gaggacagtt ggtccagcca   300
gcaggctcag ttcagatacc agacaaccat tccagcacga gggctcagcg ccctggcccc   360
ggcggtcgct ccagtgcctg tgtgcccacc agcacatcca tgaggtagtc caattcggcc   420
tcgtccagct ccggagcttc ctccttgccc ggcccatcct cagggcctgg tttgaggccc   480
tcagaggctg gtgcccaaag ttcattgtca tacatagagg tgtcaatatc ctcaaacagg   540
ccctcaagcc catcgtccag tagacagcca gtggctgggc ccagcaggtc caaggcaccc   600
aggctgggcg ctgctccccc gatgctacgg cctggtggcc cctcgtctgc caagggttgg   660
ggagcctgac tcaggccctc aatgtggctg aggtcctcca ggaggctggc catggaggct   720
gaaagggcag cgtccgagct tgccagtaag ttgtcagcca cactgggggc tgcaggtggg   780
ctaggcacag gtggcagggc agccgcgggt gccatggacg cctggatgcg ccgcagagtg   840
ttcacgacca gcaccaggtg ccgcaggtcc ggctcactct gctgcaggct gtggtggagc   900
ttgagcactg agaggtcaaa gagggagcta gaggccacgg ccgggggtgc ctgtgccacc   960
gctgcgtggc caggatctag ccaccaggag tcgactgcca gaggttcctt ctcctcctcc  1020
tcctcccgtt tccgcttcag acccttgctc agcatcttgc tcactagcgg ccaatcagaa  1080
cgaagaggta gccacccaca accaatcagg aaacggcggc ggcagcatcg cttgttggct  1140
gtcctccgga aacccgcgcc tgggtcgcgc ccacgcgtcc g                      1181
```

<210> 2926
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (900)...(629)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2926
```
ctgatgggca gtggggtgtg ggggggaggt agataggtat ttaggatgga attctgctag     60
acaggaaaat atagttcagt tcctcatagt tcaggctgga gcaagtaaga ttccagtttt    120
accactgaat ctctgagcct gtctcctcat ctgtaaaatg ggaacagcaa tcctagccca    180
gagggttgtc aaagtcactg tgctatcggg cctggcagaa tgggagtgag aggggctcag    240
agggactgtt acaggacatg aggtgacgat ggtgggggtgg caaggcagga gctgatggag    300
actcactgag aagtggagaa gcaagattca tcacatacgg gacataaagg gagatggagg    360
ggcaggggggt agtcctggtc tcggcctggt ggggaagggc ttcaatggga ggaagccagg    420
gtgtgaagtg acggggggagg tatagtgtga caccagaggg tactgagaaa gacctgggag    480
gcaggatggc ggctaggact aaatcctctc tcccagagaa ggccgagcct cctagagcca    540
gagaaggagg cagaggaggg acagcaaagg gaagaagaga tgggaggatg ccgtgtgaac    600
aaagccaagg cggggaggag aagaagttat tatcagggtg ggggtgggct gagggcatgg    660
ttcaaggcct gatgtctttg cctcctaatg ccggggggtct tgctggctgg gtcaggccac    720
tcacaggaat gggccataat ccttggttga caataaatgg acaaagcagc tgggtgcggt    780
ggctcatgcc tgtaatccca cactttgggg aggccaaggt gggtggatca cgaggtcagg    840
agttcgagac cagcctagcc aacatagtga aacccccgtct caactaaaaa cacaaaaaat    900
tagctgagcg tggtgcgggc acctgtaatc tcagctactc gggaggctga ggcagaagaa    960
tcgcttgaac tcaggaggca gaggttgcag tgatgagaga atgtgccact gcactccagc   1020
ctgggcaaca gagtgagact ctgtcaaaaa aaaaa                              1055
```

<210> 2927
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (768)...(642)
<223> similar to gi3878300 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2927

```
actgccttct tgggtgagtg cattagctgg gtagggtctg tcccggacct aactggatag    60
tgtgggaagc agtggatcgt tgtttcaaaa accatttctt tttggaaatt gtcacagaga   120
aggactagat ttgcggatgc ctaccttagc tgcaggcgta ggcccacacc tgacgcgtaa   180
gctgcctaaa cggcagctaa cgtagatcca cccagacgcc ggaaacgggg gaagctcctg   240
ctttgcatgg gttccgctcc ctcctgtttg ttgtggtgtg gagccaggtg gcatgtgtgg   300
cgatggagtc acggggcggg tgacagaatt tatgccagat tgtaaaattc ctggtttaag   360
tttcccctgg aaaagtttcg taaaggttaa gaaacgtgtc tgttgaggtc ctttaaaagc   420
cggtgctctg ctgggagtaa cgagcaaacg tttgtttttag catctacggc ttaagcttcc   480
atagagaagt cggtatctca aagttgcttg aaacagaaaa ggacaaagag gttggtggaa   540
tagggtaacg gataaggtta ctcttaagag gttttagaga gctttcccca gttttaggag   600
atgattaatg gtcatgaaag tgtgtaaaat atacatgcta ttggagttgc aacgaaagac   660
ataattactg tgcccctttta gtgttttcaa acattttcca gatctcacat cctataattt   720
tagagtttat catctgaggc agaaacaaga cgactggaat ctgatga   767
```

<210> 2928
<211> 955
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (944)...(591)
<223> similar to gi244774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2928

```
caaagtagta atatcacgga tttggtagac attttttctta tcacaatgct tatttctaca    60
ccttcacagc attttcctat gcttaccact ttaaggagat cagaattact gtctcagttt   120
ggctggggct gctcagtcca aaatttggaa ctgagatgag ttacagattt cagtttagtt   180
agagtttctg aattgcatca gaacagctgg gtctacttcc agagtggtcc ctcctgaggt   240
ttattttgac tcatggttct acaggttgta agggaagcat ggcaccagca tctgcttctg   300
atgagggcct caggaagctt cccatcatgg catatggcaa agagggagca agcaaatcat   360
ggtgagaaag gaagcaagag tgagcgggag gaaatgccag gctcttttga acaaccggat   420
ctcgcatgaa gtcatagagt gagaactcat tcattactgc aaggacaaca ccaagtcatt   480
tgtgaagatt ccatccccgt gacccaaaca cctccgggta ggcccacctc caacactgga   540
ggtcacattt caacatgaga tttggagggg acaaacatct aaaccatatc aagattttttc   600
atttatttgt ctaaattgat tcctatgtat ttcatatttt tggagctatt gtaaatgaga   660
ttgctttctt gatttctttt ttcagattat tccccattga catatataaa tgctactaat   720
ttctgtatgt tgagtttgta tcccagcaac ttaactgaat tagtttaccc agttcctagc   780
agttttttgg tggagtcttt aggttttttct aagtgtaagt tcatgtcatc tgtgaacaag   840
gctatgattt ctttctttcc aatttttagta ctctttattt ttttcccttg cctaattgct   900
cttccaggac ttccaatatt atgttaaata aaagtggtga aaagtgaaaa aaaaa   955
```

<210> 2929
<211> 951
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(348)
<223> similar to gi180879 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 2929
acgaaccgga gggctagaga cagcggccga gaggacgagc cgttcagccc cagggccctg        60
agggcccgac ttgagaagct ggaagccatg taccgccggg ccctgctgca gctgcacctc       120
gagcagcggg gaccacgtcc gagcggggac aaggaggagc agcctctaca ggaacccgac       180
tccggcctcc gctcccggga ctcggagccc tctgggccct ggcctgtagc cgaggccgca       240
gccgatgaga ggcggagcct cgagcgggcc cctcctcctc cgttcccagc taccccgac        300
ctcgcgcacg ccctggcccg cgccctgccc gcggatacct tggactacgg tgccttcccg       360
cccccaccag tggacacttc cgggtggcgc ttggccatcc gcttggtgga ggtcgagtgg       420
gtgcaagggc cctcaggacc tcccacatgt acagttcccc tgcctcttgc cccggctagt       480
ttccctggag agaggcctag ccaacaacga agggacggat tttaaaacag cgagaactgg       540
gtgccaagaa acacttcata ttccctgaac ttttctggat gttgtgcgaa cctgttgtat       600
ttttttttc ctgtattttg gttctgaggg atgagtaatg tgtttttagt tcgttgagtt       660
tatccattct tcaatccct aaagccttca gctgttcttt catatgtggc caacatttta       720
agtacagtgt ttgcttttat aagtcggtgt tacttggatg tcctataaaa tacccacttt       780
ttataaagat gatatttata acctaggaac tcatgcctgt cttggctgca gtccctgtac       840
atctaatata tactgatttg tttgcccca gagaattttt aaggtatctg cctatatcgt       900
gatcttttga aatggtaaat aaatctggtg cattaaaaat taaaaaaaaa a                951




<210> 2930
<211> 1842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1842)...(485)
<223> similar to gi3941320 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters




<400> 2930
aagtacaaaa taatatttta ataacatagg aacatgaaca tgaaaacaat gtaaacaggt        60
tagaatttt ggatatgata cctaccaaac gtgatttgga accgtaccgc aactgggtaa       120
aatttctatg gcaaaaggat taaccaaggc atatcatagg aaatccactt tgcccaatat       180
aagcagttct cagcacatac tcaaatgcac acaaacatga aaatcggaaa taaggaatg        240
ttaaaaaaat aacttaggca gacacaaata aaaccacccc actagtgtat gaatgatgcc       300
acgtttctta tgatcttaat tacatttaag gatttaaaaa atgccactga tctcacagtt       360
tacaatatcc aaatcttcaa acctgctgga agaagtccca cagcacagcc tggaaattcg       420
catccgttgc attctctcgt gcagttacct gcttatgggc tgtaccttct gccttgatat       480

```
gtagtcagtt cttcctgaag gatggaagct ctcttttgca gaaaattaac ctgtgatttt      540
agggaggaaa tggtgtcttc aagttcttgt cttagggatg ctggcatcaa tcctttcaat      600
tttgtttcat attcttgtcg tatgtaagtt atctgttcct gtgactccaa ttctttgtgt      660
tgtaattttt tctctgcaca tcgcacctga ttagaacggt tttctaattc atcttgtaaa      720
accttgattg cttggtcatt atctctaatc agctgcttct tctcatcttc aaacttttgt      780
ctaacatcct ggagccgcct ttctgcagca agctgctgct ggctgttctc ttctttcaga      840
gaggaaatgg ttgtctgaag ttctgctatg atctgtgaag atttggcaag cttctgagtg      900
tattccttct caatctgctt cagcttgctg ttggcctttt ccagtgtcat ctctgtctca      960
gcagcatgag tcttttttcag ctctattttc atcttttctg attcagcctt cagtttattg     1020
acgacaatct catgttccct tgtagccctt tgcttttcct cttcacgaag aagaccaagc     1080
tctaccagct gctgtttccg ctgtgagttc acattgatca attcttctct caacttgtga     1140
acctgggcct ccatgtcggc aataacctgt gcatctcgtt tcttgaactc ctgaatttga     1200
ttttcgtgct ccatattggc agcgcgaagc tgttttttcca ggttttcaat ttcccgttca     1260
tggtctcgga ctaggctatc cttctctgcg ttatgctgct gtaataggtg cgtcttctcc     1320
tgttcatgct ccagcttcag ctctactatc tgttgttcat accgctgtct gatgtcctcc     1380
agttgccata aaaactcctt tgattgtttc tcacgaagag atttggatct agttagatct     1440
gcctccactt tttccatttc aaagcttcct caaatttatg aattttcttt tgagtatctt     1500
cttttccttt atcaagttca ctctgcaagt catgagcctt tttttcatag atgtgtttta     1560
gatgactttt ctccatctga aacttatttt cttgatccct tagttgttgc tttctttgaa     1620
gttctgattc ctgtaactgc tgttttaatt gacagacatt ctgctctaat tcttcaatca     1680
tactagatgc cttagaagct gaaagagcat gttcttgttt tagaaggttt atatcagcat     1740
catatttggt ttgtaacagt ttcatgtttt gctcataatc atttacaaga tggtccttct     1800
ctttatgcag tgtgttacgc cttgccttta cttcttgtaa tt                        1842
```

<210> 2931
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(857)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(263)
<223> similar to gil163054 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 2931
```
cccaggagcc ctcgcagcag ccaatccgct tctcactccg cagctatcag acagagaccc       60
tgcccatgat cctgacctcc accagcccca gggcaccctc ccggcagtcc agcacagcca      120
cgagctccag ctccacaggc ggctccatcc gcaggttctc ctttgccagg gctgagccgg      180
gctgcctggt gccctcaccg cccccgccat acaccaccag ccactcaatc cacctggctc      240
agccatctgg tttcctggtg tcaccccagt atttcgctta ccccctccag caggagcccc      300
cactgcctgg gaagagctgt ccagacttca gttccagttg acacgcccag gccatgaatc      360
cacaactcag tcagatggca gacaggtgga gccctgctcc cattgccaca tgcaattctg      420
agaaaatttc ccttgtaact gatcagtgtc atggaggagc atgctaggaa aacacagcac      480
cttctaattt gaaagttcct gtctccaatc acagaaaggc taaaccagag aactgttttc      540
```

```
tggttttgca aacatgtgat cattacattt caatctatgc tacttttatt caaaatatgc      600
agcagtttga ctttaaagtt gcaaactggc taaaaacgtt ttactggaca ttcagctata      660
ttgcttagaa aagggctaca tgtttctttt tcatataagt tgttcattga gttatgatag      720
gaatatattc ataaataagc aaagaaaaat acctaattgt aattatcaaa ggttcactta      780
aaaaattaac tattaggtaa acttaagggg gcagtgaaan aatctattta tgatttcggg      840
agtaacccna accatg                                                       856
```


```
<210> 2932
<211> 2424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(1893)
<223> similar to gi2765125 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 2932
tttcgtctga ggctgaggct ggggaacatc gggcagcatg agcggctgcg ggctcttcct       60
gcgcaccacg gctgcggctc gtgcctgccg gggtctggtg gtctctaccg cgaaccggcg      120
gctactgcgc accagcccgc ctgtacgagc tttcgccaaa gagcttttcc taggcaaaat      180
caagaagaaa gaagttttcc catttccaga agttagccaa gatgaactta atgaaatcaa      240
tcagttcttg ggacccgtgg aaaaattctt cactgaagag gtggactccc gaaaaattga      300
ccaggaaggg aaaatcccag atgaaacttt ggagaaattg aagagcctag ggcttttttgg      360
gctgcaagtc ccagaagaat atggtggcct gggcttctcc aacaccatgt actcaagact      420
aggggagacc atcagcatgg atgggtccat cactgtgacc ctggcagcgc accaggctat      480
tggcctcaag gggatcatct tggctggcac tgaggagcag aaagccaaat acttgcctaa      540
actggcgtcc ggggaagcac attgcagcct tctgcctcac ggagccagcc aatgggagcg      600
atgcagccta aatccggagc agagccacac taagtgaaga caaaaagcac tacatcctca      660
atggctccaa ggtctggatt actaatggag gactggccaa tatttttact gtgtttgcaa      720
agactgaggt cgttgattct gatggatcag tgaaagacaa aatcacagca ttcatagtag      780
aaagagactt tggtggagtc actaatggga aacccgaaga taaattaggc attcggggct      840
ccaacacttg tgaagtccat tttgaaaaca ccaagatacc tgtggaaaac atccttggag      900
aggtcggaga tgggtttaag gtggccatga acatcctcaa cagcggccgg ttcagcatgg      960
gcagcgtcgt ggctgggctg ctcaagagat tgattgaaat gactgctgag tacgcctgca     1020
caaggaaaca gtttaacaag aggctcagtg aatttggatt gattcaggag aaatttgcac     1080
tgatggctca gaaggcttac gtcatggaga gtatgaccta cctcacagca gggatgctgg     1140
accaacctgg ctttcccgac tgctccatcg aggcagccat ggtgaaggtg ttcagctccg     1200
aggccgcctg gcagtgtgtg agtgaggcgc tgcagatcct cgggggcttg ggctacacaa     1260
gggactatcc gtacgagcgc atactgcgtg acacccgcat cctcctcatc ttcgagggaa     1320
ccaatgagat tctccggatg tacatcgccc tgacgggtct gcagcatgcc ggccgcatcc     1380
tgactaccag gatccatgag cttaaacagg ccaaagtgag cacagtcatg gataccgttg     1440
gccggaggct tcgggactcc ctgggccgaa ctgtggacct ggggctgaca ggcaaccatg     1500
gagttgtgca ccccagtctt gcggacagtg ccaacaagtt tgaggagaac acctactgct     1560
tcggccggac cgtggagaca ctgctgctcc gctttggcaa gaccatcatg gaggagcagc     1620
tggtactgaa gcgggtggcc aacatcctca tcaacctgta tggcatgacg gccgtgctgt     1680
cgcgggccag ccgctccatc cgcattgggc tccgcaacca cgaccacgag gttctcttgg     1740
ccaacacctt ctgcgtggaa gcttacttgc agaatctctt cagcctctct cagctggaca     1800
agtatgctcc agaaaaccta gatgagcaga ttaagaaagt gtcccagcag atccttgaga     1860
```


1741

```
agcgagccta tatctgtgcc caccctctgg acaggacatg ctgaggcagg ggacagtgtc   1920
ccctgctacc gcccgcccct acccatggcc cgttgctgga tgactgttac tctttttttca  1980
gaaggtgttg ggattatcac aggttaagcc ttttgttccc cgtctgcacc tgaagggttg   2040
tcgcctggcc tgggagagcc tcttccaggt tttgacctgc aggcagtgct ctctaacagg   2100
accatcacag cttctgaact gagccggaga gagagaatgg aattgctgac ccctggaact   2160
ggcgggtatt ctggtcattg aggagacacc atagtggaaa ctgggggctta tgctgctgcc  2220
tccagggtgt gaggtgggtg gggacctgtg tcaggtgtgg atagccattt ctgctcaacc   2280
acacattctc taagaaacag cttgaaagct ctgtctgggt cattcattta aactagaagc   2340
agaggcactt aaaacatgta ccaggaacca tttaacaaag aatataaaat gtcacaatct   2400
gtgtactgtt aaaaaaaaaa aaaa                                          2424
```

<210> 2933
<211> 1469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1442)...(958)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2933
```
cccacgcgtc cggcatctac cttcccgtgg ttaaagagaa actggaacag taaatggcag    60
tatgtataat ggttaagagc aagaccggag gctcagccag ttcatcaaag cctacaagac   120
gggcaacatg gaccaggcgc tgtccctgtg gttcctcctg ggctggattg gcggagactc   180
ctgcaacctc atcggctcct tccttgctga ccagctgccc ctgcagacct acacggctgt   240
gtattatgtc ttggcagacc tggtgatgct gacgctgtac ttttactaca agttcaggac   300
gcgcccctct ctgttgtctg cccccatcaa ctccgtgctg ttgttcctca tggggatggc   360
gtgcgccaca ccgctgctga gtgctgctgg gcccgtggct gcccctaggg aagccttccg   420
ggggcgggcg ctcctgtccg tggagtcggg cagcaagccc ttcacccggc aggaagtcat   480
tggcttcgtc atcggctcca tctccagcgt gttgtacctg ctttcccggc tgcctcagat   540
ccgcaccaac ttcctccgga agtccaccca ggggatctcc tactctctgt tcgcgctggt   600
gatgctgggg aacacgctgt atgggctgag cgtgctgctc aaaaaccccg aggagggcca   660
gagcgagggc agctacctgc tgcaccacct gccctggctt gtgggcagcc tgggcgtgct   720
gctgctcgac accatcatct ccatccagtt cctggtgtac aggcgcagca ccgccgcctc   780
ggagcttgag cccctcctcc ccagctgacc agaaccaggc tgagcgcagg aggacaggca   840
ccaccggatg ccacaccagg caggaggagg tgtggacagt gatggtacgg cggccctgca   900
tcagcctgcg ggtggcctct ggatcctccg tggaccgaac cgtcccccca ggaacacacc   960
ttcaggtaga ccccgaagcc tcaaggccgg ggctggagcg gagaccccag ggcctctcag   1020
gagacagtga ggctgcccct cctaccacct acctcattct gcctactcac cccaggggcc   1080
acagccacag cctgctggac tcaggactgt cctgtcaact ccagacaact gaaataaaca   1140
ggccgggtac agtggctcgc acctgtaatc ctagcacttt gggaggccga agcgggtgga   1200
ccacttgacg tccgtagttc gagaccagcc tggccaacat ggtgaaaccc ccatctctac   1260
taaaaataca aaaattagcc aggtgtggtg gcacacatct gtagtcccag ctacttggga   1320
ggctgaggca ggagaactgt ttgaacctgg gagacagagg ttgcggtgaa ccgagatcgt   1380
gccactgtac tccagcctgg gtgacagagt gagactccgt ctcaaaaaaa ataaaaaaga   1440
taaccgagga aacggtaaaa aaaaaaaaa                                     1469
```

<210> 2934
<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1294)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1114)...(1268)
<223> similar to gi500734 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2934
tttttttttt ttgacgcggg gagagattta atttacatag cagccacttg gggtccagtc   60
agagctgggg cagtgggggga atctataacc ccagagggta ccccccagac ccccacccc   120
gggagaccag tcctcaccaa cccttggatg ggctcccaag gttgtgcaga agatgctcca   180
gtcaaaagga tagagacatt tgggaaataa aggctgtccc caaagttggg gggaangtcc   240
acggcctggg agtggatagc ctacatggtg gccccagggg gtctgagaga ccagtcccat   300
gtccctgggc gagtccttca gcctgggtgg ccctagagga aagccttcgc gggcggaaac   360
tgttccctgg aggagggcgc ggtactggtc aaaatccttc ctttccacac gggtgacgcc   420
gccttcctta gcatacccac aacttcccgg cacaccagcc ttgataaagc gcttcattcg   480
tgggacacca gaatcacacc aacccctgaa attgtttgaa ggcaaggccc cagagcctca   540
atggctctcc catgtccaag gtgggtttgt gggttcatcc cagaatgtag aaagttgggg   600
cagggcaata gtccatctga gcaaaaggcc acttcggctt ctttctggcc cccaagacag   660
gctggcaaag aggacgcatg gcccagttct ccggagatgc ccataccgaa cccaagctgg   720
tgacnggtac tcctcctcag gccgccccag gaaaacttgc gtgcccagca agttcccaca   780
agcactgaac gtttaggtcc cagctgctcc cacatggtgc tggctgaaat agccaatctt   840
cagattcctg tgagcgtgtc tgatgccccg aacaggtgcc aggtccccca aaagcagctt   900
cagcatggta gacttcccag ccccattctc tccaaccaca cagatgcgag actcgagatc   960
agcagacaca gagaggcgac tgaagatgac gtgcttcgga tcgtagtaga aatccacctc   1020
atctagctgc agaattggcg gcgagaactt ctcaaaccca tcagggaact tcattacgac   1080
ctctgattcc ttgtccacag gcttcagctc aggcctggga gaagagatga ggtagactag   1140
atttattact taaaaaaata acttcctaca cgagtaatat atgttcagag aaaacttaga   1200
aagggcttgt actcctacca ctcaggtatc attactttag agtccattct tctcatttac   1260
tgtatgctaa aaaatagaat taggcttttt gtg   1293

<210> 2935
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

1743

```
<222> (1)...(608)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (583)...(176)
<223> similar to gi2773297 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 2935
ctcaaagaga tcttcagcca tacgcatcat cataatcact gtcaaaagac agatttttct      60
ttttttagaa ttttaaatgt accttttaat ttgctcctgg ggcaaagagc caggactggt     120
actagagcag tgtctgggat gagaagaatt taataaaatg ggattaggtc caatggttgg     180
gttaggggag gcaacctgct cgggaggatc agcctcaacc tatccatgca gcagggcctc     240
cacctgtccc tctccgtagt cccacacctg gaacccagag ccatctgcct cttcccagat     300
catggccgac agcactccac cagactgcgg ctggagcagg cacaggattc acttattgag     360
ggctgtggcc tggcacaaat catagcctat acccagggac agttgtgtca cttctgccac     420
caccacatcc gccttctgca gccacatcaa gtaccactca tggatgagcc cgtcaccccc     480
agcggactta tcaaccccgc gtccagctcc acagccgcca cgtgctcggt gagcactggc     540
tccaagcatg gcagctgcca tacaatccac ctgtagaggg gcccgnccct ctgtgctcaa     600
aggatgg                                                               607




    <210> 2936
    <211> 1071
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (929)...(187)
    <223> similar to gi3876090 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




    <400> 2936
tttttttttt ttctaaagct ttatttattt tataaaatgc atagaataaa ttatactagt      60
aacattttaa aaattaacat ctttgtattc agcagtcctg ggtcaggagg caggaggaga     120
gtagtgggga cgggatggct cactgggcag ctaacccgtg taggccactt cctcctcgtc     180
actgccatcg gggaccgcgt ctgtcccaaa gtagcggtcg ccaaagttcc caatgcctgg     240
gatgatgcgg aaaaggtcat tgacccgctt gtccaccgcc gtggtgatga ttctcactcg     300
cggaaatgca taggccactg agtgcacgcc catctctgcc atgagcagcg acagcaaaaa     360
gatcttgtcc tcaggcacgt cgtggtccag gagcacgcgc actgccatca tggccgccgc     420
gcccgtggac acggtgcagt ccatgaggat cacgtggtca tcgctgatgt ccttgggcag     480
cctcaggtag tggagctcgg gcagcagggg tcaggctcgg gctccccggt aagctggttg     540
gtctggatga ggatggtgcc gatgcgcacg tctttgcaca cagcgcgcag cgcgggctcc     600
atggtttcac cggcgcgcag aatggacaca ccggtgatct gcttccccgc atagcacttg     660
cccgcatagt cctgcccctg cggggtctgt acgacgcagt cctgaaaggg caggaaggag     720
agcgcgtgct cgatgagcag ccgcatcagt ctcttggagt agaagatgaa ctcgtcgcga     780
```

```
ctggtctcct tgtccctgtg gggccaacag ttgagcggga gcacgcgccc ggggccgccc      840
cgtccccagg tgggccctca cctgatgatg gtgtgcatgc cccgtacctg cggcgtgctc      900
ttcaggacgc tcagcgtccg gggcagcggg tggcactggt gtgccgaggc cagcgcagcc      960
ctggggacaa accgatgggg aacactcaag aagggggtct tttcccagag ccctccctcc     1020
ccacaggacg gctgtgcgtc actgtgaggg gaaccctcgg ccaagctggc g             1071
```

```
        <210> 2937
        <211> 1586
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1583)...(1239)
        <223> similar to gi1872200 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 2937
tttttttttt ttatacttta tgctttactt cttacttcaa acatacatcc ttgattaaag      60
aacaaaaaca actcactgaa gggtgataaa ataatcaaaa tgtatttgcc cctgaaagtg     120
gaattactac ctcaaaaaga atacaactct ttcattttcc ccaaaataat catgtgagtt     180
catgggcatg ctcatcactc gctgtctgtg tggaaaaaaa aaatcgaaga ggggatttac     240
tggactgaac tggcctaggg agcctttgct gggcatctct caggactggg actgcaggcc     300
cagatccctt ttactcagga tggcatggca cttaggaaca tggaaaacag ttaaggataa     360
acggctgggt gggtatttat ttaccttata ttgcaggaaa catttttatg acttccctaa     420
ccctggtttt ccaattagga aacatccccc acttaatgga aattgtcaat aaatgctggc     480
tcaaaccacc ctccccaaat actgaaaaac agtacatccg tttctctggt acccttgcca     540
agttgtctgc aaatgctttg tcgatttttc tactgagtta gacaaacttg tgattttttt     600
ccctttctta acacaaattt aaaaagtagg aaacaaaacc tagtggataa aatgacatat     660
tttcaatatg agttctgtgg cagtctcaca tggaagtcag gagtaacagc ctcaattcct     720
aaatagctgt ttaccactgc ttttctgagc atatttaagt aatacagaat ataaaggagc     780
aaacaaaata tgaagtttat aaaagatttc aaacactttt ctaaaaatat gaggcccata     840
ttttagaggt atttcattcc ttttctcaaa caatatggag atttataaat atgagaatat     900
atagatatac agaccttaat aaatgaagtg ttcttaaaaa ttttatatgg aaaaccagtt     960
agctttaatt tcttcacaat ttttatggat ttatccagat caaggacaac ttatgtggca    1020
gctatccgaa aatcaggcta acaggaaccc caaaatttga aaataggaat aatattagca    1080
agagaaaaac ttcaattcta tgtgacacaa taaattacca aagtgaattt tacttacaat    1140
tagctaagaa aaacaagaaa gaccatctga acttgcaacc cagtggcttg acaaaagcaa    1200
tccaaaactt taaagttggt aagccaaact aacaagggtg acttgaggct gggcacagtg    1260
gctcatacct gtaatcccag cactttggga ggccaaggca ggtagatcac ctgaggtcag    1320
aagtttgaaa ccagtctggc caacatgggg aaatcctgtc tctactaaaa atacaaaaat    1380
tggctcggca tgatggtgca cacctgtaat cccagctact cgggaggccg aggcaggaga    1440
accgcttaaa cccaggaggc agaggtcgca gcgagccaag atcatgccac tgcactccag    1500
ccccaaaagg ctgctccaca atggatgtgc tgtggcgtat actttagaag cctttgtctt    1560
cccggacgcg tgggcggacg cgtggg                                         1586
```

<210> 2938
<211> 1012
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(786)
<223> similar to gi560151 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2938
gaggaaggct ctcccgccca tgacgggatg ggaaaactat gcctggggcc gacgctctgc   60
ccggctgctg ccgctgagga aagccgggac gcggagcccc gccgagagct tctttgctcc   120
ggacgcccct ggacgtggcg ggcagccgcg agggtaacca ccatgatccc ctgggtgctc   180
ctggcctgtg ccctcccctg tgctgctgac ccactgcttg cgcctttgc tcgcagggac   240
ttccggaaag gctcccctca actggtctgc agcctgcctg gccccaggg cccacccggc   300
ccccaggag ccccagggcc ctcaggaatg atgggacgaa tgggctttcc tggcaaagac   360
ggccaagatg gacgacgcgg cgaccggggg gacagcggag aggaaggtcc acctggccgg   420
acagtgacca agaagctacc cacgggagcg gctgcccatc aagtttgaca agattctgat   480
gaacgagggt ggccactaca atgcttccag cggcaagttc gtctgcggcg tgcctgggat   540
ctactacttc acctacgaca tcacgctggc caacaagcac ctggccatcg gcctggtgca   600
caacggccag taccgcatcc ggaccttga tgccaacacc ggcaaccacg atgtggcctc   660
aggctccacc atcctggctc tcaagcaggg tgacgaagtt tggctgcaga tcttctactc   720
agagcagaac gggctcttct atgacccta ctggacagac agcctcttta cgggcttcct   780
aatctatgcc gaccaggatg accccaacga ggtatagaca tgccacggcg gtcctccagg   840
cagggaacaa gcttctggac ttgggcttac agagcaagac cccacaactg taggctgggg   900
gtggggggtc gagtgagcgg ttctagcctc aggctcacct cctccgcctc ttttttttccc   960
cttcattaaa tccgaaacct ttttattcat ccaaccatct atttattcac tt   1012

<210> 2939
<211> 1991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1994)...(1385)
<223> similar to gi4929603 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2939
tttttttttt ttctgatcca tgcatccttt attccattac caaccactgt gccgcatcca   60
agcaacagta cacaaactgg caatcaaccg cagtccagtt gtacaacgat ctgaggctta   120
cagtacattt aaggctttta aatgtggaaa aaaaaattaa aaccaaagaa cccccaaatc   180
caaaccccta accaacacaa gtagtatagc aatgttaagc atctcctatt tctgatgctt   240
atttggcgca acttccagtg tcaaaaccca aataattcct aaactaaaaa gattagttta   300

```
gtgaaatttt aattacataa attcttcaaa gcataaactt ggaatttttg tcttggaaat      360
gttataaaat ttttaatagc aaaacatagg aataaaaaca tattaacaaa atgtattcaa      420
tcatttacat tacaaacaag gaatctgcag ttcattgttg tagcctgaca aaagaaatca      480
tatctaccat taagaatcta tgcacaatgt gattgcaaat atgtacagta ctttaaaaaa      540
gcctacaagg aggactttac agaaggaaag tcagctaggc tctttgttaa accaaccaga      600
caatcaaaat agtaaaactc tgttggctag taataaattt acacttaaaa aaacccctag      660
tttctttttg tttaagaata ttccagttat atttatatgg ttacagttga tgaagctgta      720
cacgagagtt ccagtaaatt accettcagt tcatttgtcc gggaaagatc agcatgttaa      780
caaaaaataa taaaggaatt ttcaccacac tagctttcca gttacactat cacagcttca      840
caaatggatt gaacccatgt atccagtggc agaaagagag ctgcatgtga aataccgaga      900
acattggtgg caacagggca agtcctgcat gaatgtcaga aatgatggat aaggttgaga      960
aacagatgcg aggctacttt atacagcact agaaaattgt ccctacattc agctctcatt     1020
cccattcctg caaggtaatg aagctgggaa tcacgactgt tcagtttaac gtgttgtgtg     1080
aattagcaga accacctcta gatacaaaag actgagattt catcagctct ttgattagaa     1140
caccctaaag gttgggcact tcttcatggt tatcaagcct ttacagctac ccagttaaag     1200
catgtgcaaa acagaggact cttctgttca cagtaaatga ggtaagatca agttgttgtc     1260
ttcaggaatt aggaagttcg tgagatatga actgtttttag tctttctagg tattgtgcat     1320
aaagctctat gtcattatgc ccagcccctt caacccaaag gggctccacg gctcggggac     1380
agcgctcgta catcgctagg ccatgggaga aatcgatgac ctcatcctct gtaccatgaa     1440
tgaccaacac aggagaggtg actttagata tcttgtcaat gctggggaaa gcatcaaagc     1500
agtatgtttt cctggtatcc ggaaaagcca cacgcaaacc agacatcaga ggggaatgga     1560
gaattaccgc tgcgcattca tacctcgagg ccaagtctac cgtggggaca gtcccaatgc     1620
tctgaccata gaggataatg ttctcgggac tcacgccata ccgggtgcgc agcgcctgcc     1680
acgcggcgtc gatgtcggcg tagaggttct tctcggaggg cttgcccgag ctgacgccgt     1740
atcccgagta gtcgtaggag aagatgttgc agttgatgcg ggagccgagg ccaatgtaga     1800
agctgcacat ctggcccagg tccacggcgt tgccgtgcga gaagagcagc gtgtagcggc     1860
tggagggcgc gcagcgcacg aacatgcagc cgagccggtt gtcccgggcc gtgcgcgaga     1920
agaagacctc gacggcgttc cagcccgctg cgagtattgc cagtcggcgc gctcgctgag     1980
gtgcaggctg c                                                         1991


<210> 2940
<211> 872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (873)...(285)
<223> similar to gi3694664 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 2940
tttcctgtgt gaccaaagcc aaaggctaaa cctggctgca ttttattgga tgggtgatgg       60
aagtgggtgg gagtactatg gtaaaggagg gatatatggg tgggagccac caacaaaagt      120
cccccatccc cctcccccaa cagaaaggag agagacaacc ctttcccctc aggtgatctg      180
gaattccagg gcctctgcca gctttgcagg aggtgcacag aagctggatg cttttggtct      240
ggtggccatg agctagactc tgttgccttt ggttgctttt cactccacag caaacccgca      300
ggtctcctcc acggctgtca gcagcttctc gtagagcttc tcataggact catatggtgg      360
aatgtcgatc cggttaaagc aggtatgggc cttcggaagg ttgtctgtgt tcgcgtctat      420
caggtggatg gtgaacagcc ggggccctgc cgcgcctgta gatccttgca aagccttgaa      480
```

```
gccttggagc gggactcgcg tggacccagt cacaaactgc aggagcctgg ccctcctttc    540
ttcatcgaac gtctccaccg cttgccagaa ccaccgcacg atgttgctgt cggccacaca    600
gtgcttcagc cgcgtgttcg acttccagtc gttcaagtct attttatcca ggccgcctat    660
gatcagctcc agttccttct ggtcaaaagg cttcagcaga tgttgaggga tgagctcatt    720
gaacccttc tgcagagcta agaactgggc ttcgattcct ctcataaacc tccagtttac    780
atacaaccgg acgtatttct ttcctattct gctcctgtga ctggcacatt ctgcccattg    840
ggtttcagtt acatgcgcag gattcggccg aa                                  872
```


    <210> 2941
    <211> 2434
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (2434)...(2145)
    <223> similar to gi3002527 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 2941
```
accagtaata atagttttat ttgattttaa aatagtcatc aatgtgaaaa tttctcaaag     60
cttaagagta acagtctaga gccaaggttg ggagtggggg ccaggcctca cacagagccc    120
agcttgaggc ccctgagccc caccctcctt tccagaggga gggaggagac agctgagggg    180
gccctgaatc agtcctctcc ctcgtcccca aggccagctg tgccaggccc ctggagggca    240
acagctcatg cggaggactg ggggggggaag caaacaggta ggaaacggaa atgaggttaa    300
caattacacc atcacccca aaaaaaaaca aaataacaaa acttgtgact atgaaaggat    360
ggaagatgaa tactgataaa ctcctcagct ccccagaaaa gcccagtctg ggctgggttg    420
ggctgattgg aggaaaggtc ttgagaccca actgcatgtt acctctgaag aataaatatt    480
ctaagaaaaa gggaaaacca tgaggcaagc tgctgcagtc agtcaacgca gctgacaggc    540
ctggcatggc ccacaacctg accccatcca cacaggaaac agctgtgcgg gtctggatag    600
aggagaggtc aagggcttgg actggggacc ctgagctgcc aaggtgtggg gactccttgc    660
agtcctggtg cagcaatggc aggaaggcca gcaggggccc tagttgagca ggttgccctg    720
ctcctgggcc tgggtcaggc tgtccttgcg gtgcaggtgg tgaacccca tcctcttggg    780
gctgcgctgg gggcgactgg agctggggag tggccaggcc ctgccctcgg tgtgggaagt    840
gcctggcccc tcctctgtgc ccctgttaat gggcagcagg ctctggcgct cttcctcagg    900
actgataggc aggttcagct cttcttcctc cctgggaaag ccagagtcag gttctgtggg    960
tagcaaaagc tcactctctt cgggtcgggc agaaggtgcc tggaccacct catctctgtc   1020
agcggggcta tgggcaaaat ggcgctgcag ctcaggagg gcatcgcgtc caaaggctgt   1080
gcgctgggcc acagcagcag gtggtggagt acggtccaca aatgcccgct gccagctgac   1140
cagcaggtcc tcttcagagc tggcagagct agctggggca ctgagtgtta ggggtgctgg   1200
gctgggctgg tggtgggggtg aggcctgggc tgaggcaggg gtgctgggca ctgggctggg   1260
gcgggcccgc tcactcccct cctctaccag gctcaggaa atggcctggc gggtagcgta   1320
agtgcagttg ggcaggggc atgttgcggg ggatccgaac cttatcctca gagaactcta   1380
ttaccctgcg gccaggatac agtgggtgtg gtggagacgg ggttgggtag gggttcagct   1440
tctcaaaggc tggcagggc agctcttcct ccggggagcc cctgtgagta cccagagagt   1500
ggcactcccc attgtgttgt ggggtggggc tgccatgtgc ccggggact ggctggaata   1560
actgggacac cctcactcat gtccacatgc acaaagacat cctcagccaa ggggcgcccg   1620
gcgctgcctg actgggctga attgagcagt agagactccg gcttctctaa cactcgggca   1680
atgactgagg taggcaccac agcccctggg gctaggctgg gagcaggacc tgggctggcg   1740
gcctcttgac cactgtgcaa atgtttccga accatgtcct gtagctcaca gggcagctga   1800
```


                                    1748
```

```
ggtaaaagag caggaaagag agacatcaat gatcgcagcc aaagataact tgactcatgg    1860
cgaaagtaat ggctcccacc tttaagtacc tctgtgtact cagcactctg ctatctcctg    1920
ttcttacagc atgccagtgt gtataccctc acttcacaga cacataggcc tggagagggg    1980
aagacaactc aaagctttgg ttaacttggc caagatttaa acccggatct gctgctgcag    2040
ccagcatgtt ctcaaacttc tatctcccag cttctgccca aaccatactt aagtttggag    2100
aatctgcata gaccagtagc cttagaaata cctctacttc tgggccgggc acagtggctc    2160
atgcctgtaa tcccagcact ttgggaggcc gaggcgggtg gatcacgagg tcaggagatc    2220
gagaccatcc tggctaacac gatgaaaccc catctctact aaaaagacaa aaaaattagc    2280
caggcgtggt ggtgggcgcc tataattcca gctacttggg aggctgaagc aggagaattg    2340
cttgaagccg ggaggcggag gttgcagtga gccgagattg tgccactgca ctccagccta    2400
ggtgacagag caagactccg tctcaaaaaa aaaa                                2434
```

```
        <210> 2942
        <211> 671
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(672)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (635)...(580)
        <223> similar to gi840708 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 2942
```

```
ggcgtgtgct gatccgccat cccactgtgg agatgaaggt gtgtgctgat cccccatccc     60
cctgtggaga tgaaggtgtg tgctgatccc ccatccccct gtggagatga aggtgtgtgc    120
tgatcccccg tcctcctgtg gagatgaagg cgtgtgctga tccccctgtcc ccctgtggag    180
atgaaggcgt gtgctgatcc gccgtccccc tgtggagatg aaggcgtgtg ctgatccccc    240
atccccctgt ggagatgaag gcgtgtgctc atccccatc ccctgtgga gatgaaggcg    300
tgtgctgatc ccccatccca ctgtggagat gaaggtgtgt gctgatcccc catcccctg    360
tggagatgaa gggatatgct gatccctgt ccccctgtgg agatgaaggg gtgtgctgat    420
ccccatccc cctgtggaga tgaaggtgtg tgctgatccc ccatctccct gtggagatga    480
aggggtgtgc caatcccccg tgccctgtg gagatggagg cgtgtgctga tccccatccc    540
cctgtggaga tgaaggtgtg tgctgatccc ccatccccat gtggagatga aggggtgtgt    600
tgatcccctg tccccctgtg gagatggtgt gtgcgaattc caccgcntgg tctaatggtc    660
atcagttcaa g                                                         671
```

```
        <210> 2943
        <211> 1821
        <212> DNA
        <213> Homo sapiens
```

<400> 2943
```
tttttttttt ttctggtacc caaagggtcc tttattcttt atcatcctat ttgagtttta     60
ttgtttttac acagctggga aatgcttaag gtacaaatta ataaatttta aactcagtat    120
ggaaaataca tttaataaat taaagcaaaa accaaagatc tgaggagatc caagagatca    180
agacaatctg taaccagagt ctgaagtatc caaggagcta cttttttttgg aggcatattc   240
tcctcagctt ccagttatca tttgataaac acatcagcaa aaggttcagt gttttaaaca    300
aatgtagact ttattttgta ctgtacaaag tgctaatgtc agtagatcca ttaaaatata    360
gaatatttaa gaaagatcat taataaaagt aatggtcatt caatttaatg ttacagttta    420
cagcgtttta ctgctagtgt tttaagtcag catgagcagt atcaaagtac ttatgtagct    480
agtttctaaa actttacaga aaacccagta caattccaag tgcttatagc caatataagc    540
atatttcata ttagaaatag ttatccatat gttaacaaga aactatggtc ctcaaatatg    600
ccaattttag agtctaataa ctactgatag taactatgta aatattttgg aataaacagt    660
tatttacgca agccacactt cagctgagat gatcactaga catctgtttc cagagcttca    720
acaatgtgtg cagcagaagg acgatcttta gggtcttcat tagtgcatac agagaagagt    780
tcaattactt tctggtatga ttcatccagt tcttccatat taataggtgg cctagttccc    840
aacgctgcat agtatgcttc atcatcaaaa tcactttcat caaaagtttt atcttcatca    900
tcatcatcat ttgaaagatt aatgtgtgga atcgataaag tcatcatttc ccacaaagta    960
aggccaaagg caaatatgtc tgccttgtca gtaataacac cattctcctc cacagcttct   1020
ttgggtttcc atggctctgt gccaatgtaa caagcctcag ggtcagtcac agtcatattt   1080
tcatccagtg gtagagagac tcctacatca cagattttaa ttgtttcaaa atcgccttta   1140
attacaacat ttgaagactt tatgtctcca tgaagcagtt tcttttcttg gtgcagatac   1200
tttaaccctc ttgccatatt caaagcaact tttaaaatta tggctgctgg aaaaggatct   1260
tggctggctt tatatcgttc ttctattaag tcatttagag acttttcacc tccatattcc   1320
atagcaagac acagactgcc atcattggct tcagtaaaag cacgataacc aacaatgttt   1380
ggatgatgaa ggctttttcaa aatcttagct tcatccatta gtctcttttg atacacactt  1440
cgataatgat cattacatat aggattaatc ttttttacag cccaaggaga atgagacaaa   1500
cctcttggag atcttttcat taggtacaca tttaccccag taccaaagcc aagcttctgc   1560
ataaacggag aggccgggat atttatagtt ggagttgaac ataatacaga tttctttttt   1620
tctgataatt tgcttggtgt cttgaaatta ctgatccctt ccattgtgaa agccactctc   1680
agtccagagt ctcaccgcct ggaaggaaag gtcggaggtg aaaataagtc gtggccaagt   1740
acctcttcaa aattggtccc gagcggcccc cagcgagacc ctgcagctgc ctctagcacc   1800
aacacatacg cccgctcgtg c                                             1821
```

<400> 2944

```
tccacatcaa aatcccaagc aagcggtttt ataaaaactg acaagctcat tttaagtcat      60
atggaaatgc aaagggcctg caacagccaa aatatatttg aaaaagaaca aagctaaaaa     120
actgttgcaa cctgagttca ggccttttat aaagctgtag taatcaagac aatgtggcat     180
tgccaccaaa atacacaaat aaatcaatga aacagtactg ggagtccaga aatagatcca     240
tacatccata gacaactgat ttctgacaaa ggcaaaggc aattcagtag gaaaagcgta      300
gtttttcaac aaatacaact gaaacaactg gacaatcatg cccaaaaaag cctt           354
```

<210> 2945
<211> 1498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(136)
<223> similar to gi244774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2945

```
aaaccctcaa atatatggtc aagtaatttt cagaaaggat gccaaggccc ttcaatgggg      60
aaaggacagc ctttcagag tggtgatggg ggatctggat agccacatgc caaagagtga     120
cattggaccc ttataacata ttcaaaaatt aactcaaatg gacaaaaata taaacataag     180
agctaaaact ttgaaattca gccttagttt gactgctaga acaaagtacc gtagaccggg     240
tggcttataa acagcaaaca ctgatttctc attctggagg tcagacatga gagaccacag     300
tgccagcacg gttgggttcg gatgaggcca ctcttcccgg tggcaaactg ccaccttctc     360
ttgtggaaag agcttgctag cctccagcct cttcttataa gggtactggt cccattcatg     420
aggactccac cctcattacc taattaccta gcaaagattc cacctccaaa taccataaca     480
ttggagtatt tcccatctcc ccccaaaaaa gtgccaaatg gtctgatgta aaaggaaaaa     540
aattcagtca ctgtgctcca gatctgcaaa ttgcacatct tgattttcag caccataaag     600
acaatcattt ggaagatccg gtgatatttt ttctctttaa tgcaaatgtt ttggtgtcaa     660
gcagattgaa tttgtgggga ggtgtcctgt tagtgtggct ggtcactgac cattcagaag     720
gaagaaaatg tgaaacagat tgctcaagtg taaaggagtc tgaaaatgtc tgtcctcaag     780
cctgcaagat ttggaaccgt tctgcgtccc ttttccatag atataggaat aataagtctg     840
gattcagtag agtcatttga ccagccagcc cctcagggtg gtccctgggt ctgggcagcc     900
atgctctccg gagctgccct tgggggcaac ttccagggcc aagccagaga ggccagagct     960
ctagactaac gttagagttc caagtgtacg cagcagagaa gacagctatg ctgtgtgtgt    1020
gtgtgtgtgt gtgtgtgatt gtgccttctg tggatatcgg ctagggactg tctcaggaaa    1080
gcctctgcct ttggcgtgtt tactggctgt caaaaccctg cccacagcct tatagacccc    1140
caaagaaaaa tgttctcatc cttactccag agatgttcaa acaggagtga ttgtctgaca    1200
gtgactacac tcacaggaga atgacaaaca gcaaggccca gctgtccctt ggtaccctca    1260
ggggattggt tctaggacct ccaaataaca ccacagtccc agcatgctca agtcccgcag    1320
tctgtcctgc tgaacccatg gacaaaaaag gtcggcccct ccgtatgaga ggcttttcca    1380
tctcatgaat acacattggg ttgaaaaaaa tctgcgtttt agtggaacag ccaggtttaa    1440
acacattgtt gttcaacggg tccacttgta ttcattcaca atacagattt cattttag     1498
```

```
<210> 2946
<211> 2420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1966)...(1071)
<223> similar to gi1255411 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


     <400> 2946
tttttttttt ttgctcataa acaattttat ttttttctc agtatgtgcc cttgaagatt    60
ccaaaatgtt ggagtttctg attctcctgg gatcaaaggt aaaagcattg tatggaaaca   120
ctcaaccttg gctcattacc ctcctgagga gctaagtctg gaggcctcag agagagggag   180
ctgacattca caacttattc caagatgggt aacccagtga acaaagaatt agtaaaacat   240
agactcagtc tgtagagggc ttcaaatata catattctat atatataaac ctgttatata   300
ggatttcaac ttattggttt ccttgtgatt tgtaattaaa gtacaaatta taaagatgtt   360
gcacactgct gatttcccct tctcagcccc cctccctccc caacataaat aacattacaa   420
aggtcaggtg atcctaagaa tttttgttgt tgtaaatatt ttgtttttaa aatcatattc   480
cccttcctcc cctgcaaact acctctgaga gtttgtaaca cagcagcatg gaatggacaa   540
gactggggac agcatggagg tctaacggag agagcgcaga acgttgcttc tcactacgg   600
gcaccagatg ggcttccgca tttccattga caacagaggc tacgacagga agcagagaat   660
gtgcaatgcg gcttcatcct cctccaaaga gaaggctagc tggaccactg agaaaagccc   720
taaaggcatt gaggtttttg gagacagagc acagctccag aaatgtcttg gctcagtatt   780
tacacaatat cttgaagctg cactttcctt ttaagaaatg tgtgtttctg aaggtgcctc   840
ttctgaggtt ggttggggga aaggagaaac gtaaaaacaa aaacaaacca attcccacat   900
atgtaaaagt cctgttataa gtcttagtta ttttcacaca catcattaat agtagatact   960
gacaatgatt ggtttctttt cttattcttt tttttagag catgagtaaa gagaaagaga  1020
gaaggaagaa gtgcactaag gagagcgccg tcccttcttc agcattaagt gacactggat  1080
ggtctggatt cggttcttgg ctgggacaaa ctcgggctga agcttcaatg tggattcata  1140
ccacaccagt gctttttcaa attcttccat tgccacgtag acattgccca gagtgaagtg  1200
gttcacagca aagtgtggtg cgatctctac tgccatggtg gctactatga cggcgtcatt  1260
ccagagcttg gcattgtgca agatgttggc caggctaatc aggggcacat ccttcatctg  1320
gtgtggcgca tagtgcagag cctggcggag gcagtcgatt gccttctttc cttggccttt  1380
caccctccag tagagggctg ccatgctgga gaggacccag gacgtctggt tcttttccaa  1440
aactttggca attcgggtgc caatctgttc aagcgactgt tgtggatatt ggtctttgcc  1500
gagattttgt aatacctctg ttaactgact ctcccctgtg tagtgcaggc tggctcggtt  1560
ggaaaccccca tgcaagtggt ccagggtatg catactcgtg gggagattgc cattgcaaag  1620
aggctccatt gctggctgct gtataggggt ggcaaaatct atgtgttctg tgatgtcaat  1680
gttttttgaa gaaactgcaa gccaggtact cacgatggca gtcagctcta cccagcggag  1740
tttgaggcat tcgtccgggc tgggccatcc cagacgctgg tagtcacgtt tttttccttg  1800
tggcccagga gatgccacct tggggccagt gatctctagg tttgcttggt aacgatgtcc  1860
attttctatc tgacctgttt ctactttttt cccaggagtt ttcttatgat ctcctttggg  1920
tttctttaca cgtttgacct ggaatgtaat ccattctgtt gcttcatcat cttcacttct  1980
gcagtctcca tagcaagagc ttctggccac tccatcctgg gacctttct tcagcacccg  2040
tattccttgt aagtctagac gccgcccttt catctctagt gcaccccaa agccttccaa  2100
aggccatgcc tgttgaaatt catccaccaa agccagtatt tcttctgaca ttttggtttc  2160
atctgaattc tccatctcat cagaaccatt gctctcctca accaccgtac tttcaagtct  2220
aagggcatct gagtccctcc ctgaattctc aacagagaat acagggtcct cctctgttcc  2280
```

```
tctctcagag ggctcttctt cagcagcatc cagtgactgt gagttgtcaa aatatttctg      2340
tttgtcatgg ctgttgtcca gggttttctc atgacaatta ccactgcaaa cagaagaagt      2400
gatgttgtac agaaaaggat                                                    2420




      <210> 2947
      <211> 1770
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(1771)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (21)...(344)
      <223> similar to gi3002527 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




      <400> 2947
      ggaattcccg ggtcgagggt tttgttttgt tgctgttgtt ttttgagacg gaatctcgct        60
      ctgtcaccca ggctggagtg cggtggcaca atctcggctc actgcaagct ccgcctcctg       120
      ggttcacgcc attctcctgc ctcagcctcc cgagtagctg ggactacagg cgcccgccac       180
      cacgcccggc taattttttg tattttttta gtagagacgg ggtttcaccg tgttcgccag       240
      gatggtctcg atctcctgac ctcgtgatcc gcccacctca gcctcccaaa gtgctgagat       300
      tacaggtgtg agcccccgcg cccagcctgt tttttgtttt ttttttagta cctgactgaa       360
      agagactagc aaacaactcc tgaaaatctg taattgtagt aaggttacta cacggtaaga       420
      agtgaagccg caaaataaaa acttccattt tattttcctt taggagccat ggagcatatt       480
      ggcaatttgg ttctgactcc taaaatcatt ttactatacc tttacactgc ctacattgga       540
      gactgcaagc agtggaaaag aatagatact ccagatctcg tcgataaacc caggctcctc       600
      ctaaaccagc cagattcaga gagaaaaacg agctggcctg ccttattgta ttacttgcca       660
      tcaaggttca atgtggttct attacccagt aaagtcattg accaaacaag gtattttcac       720
      aaagctaacc ttttttaaaa gcatgtaaaa attgtacatt tgtacatata cgcattacaa       780
      ttttacatcc aaagatcaaa tagttaacag ttcatttagg gcttttttgta ttgtttgatt      840
      ttccagattc tgtcactccc ttggctttga cctaacctga catcattctg tcacattatc       900
      ttctaaatca agtaaacgtt catttgtctc agtaagcaca atctatctgg gtgacaccag       960
      agaggtttct gaagggtctg gtgtacgctg aggcagtgaa ataggtctgt tggcacaggt      1020
      aagaaggaag tggcatgata aacatcacaa ccccagggaa cagccttcca gagtggcaca      1080
      agcactccca ccgagatggt ccagtgccca cccgttaaag agtcaaaacc caaagttact      1140
      gagtgtccca caaagcaagt cacactagct ctcaaaggaa gtgagctgtt tcaggactca      1200
      atgaagcagg gtcactttga acactggtgg tttgacatct gtgaaagaag tcatttgaac      1260
      tcttataaag agaattaagg ggtcagcagc ttccctggaa aatgcaggaa aaccaataag      1320
      agaggggaca gttttcatct tttcataaag ttcttctcca gagctaccga agttctctgt      1380
      aaagagtaga tattccgctt cacccgatcc tccagggagg aagtagatgc actctccagc      1440
      ttcatgcggt ggatgaactt cccatcccgg gagtccagct tctctagcct ctgctcccgt      1500
      tcctcatcct tagcatgcct cttgaggatg ttcagtctct cctcctccct ccatttggcg      1560
      ttttccatca tctcttgccg ttttcgctct aattcctctg cagagagttt tctggtgtat      1620
      ccgggagcat gtcgcctttg gtagacctct tttttaggtg atgggctcct agtttggcct      1680
      gtctctctcc tgttcacctt agagttgtgc agtttgctgg gtcttggctc gtgccgaatt      1740
```

<210> 2948
<211> 4242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(4036)
<223> similar to gi4240225 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2948
```
agcgccgccg gccgggaggc gaaggatgca ggcggctccg cgcgccggct gcggggcagc    60
gctcctgctg tggattgtca gcagctgcct ctgcagagcc tggacggctc cctccacgtc   120
ccaaaaatgt gatgagccac ttgtctctgg actcccccat gtggctttca gcagctcctc   180
ctccatctct ggtagctatt ctcccggcta tgccaagata aacaagagag gaggtgctgg   240
gggatggtct ccatcagaca gcgaccatta tcaatggctt caggttgact ttggcaatcg   300
gaagcagatc agtgccattg caacccaagg aaggtatagc agctcagatt gggtgaccca   360
ataccggatg ctctacagcg acacagggag aaactggaaa ccctatcatc aagatgggaa   420
tatctgggca tttcccggaa acattaactc tgacggtgtg gtccggcacg aattacagca   480
tccgattatt gcccgctatg tgcgcatagt gcctctggat tggaatggag aaggtcgcat   540
tggactcaga attgaagttt atggctgttc ttactgggct gatgttatca actttgatgg   600
ccatgttgta ttaccatata gattcagaaa caagaagatg aaaacactga agatgtcat   660
tgccttgaac tttaagacgt ctgaaagtga aggagtaatc ctgcacggag aaggacagca   720
aggagattac attaccttgg aactgaaaaa agccaagctg gtcctcagtt taaacttagg   780
aagcaaccag cttggcccca tatatggcca cacatcagtg atgacaggaa gtttgctgga   840
tgaccaccac tggcattctg tggtcattga gcgccagggg cggagcatta acctcactct   900
ggacaggagc atgcagcact ccgtaccaa tggagagttt gactacctgg acttggacta   960
tgagataacc tttggaggca tcccttttctc tggcaagccc agctccagca gtagaaagaa  1020
tttcaaaggc tgcatggaaa gcatcaacta caatggcgtc aacattactg atcttgccag  1080
aaggaagaaa ttagagccct caaatgtggg aaatttgagc ttttcttgtg tggaacccta  1140
tacggtgcct gtctttttca acgctacaag ttacctggag gtgcccggac ggcttaacca  1200
ggacctgttc tcagtcagtt tccagtttag gacatggaac cccaatggtc tcctggtctt  1260
cagtcacttt gcggataatt tgggcaatgt ggagattgac ctcactgaaa gcaaagtggg  1320
tgttcacatc aacatcacac agaccaagat gagccaaatc gatatttcct caggttctgg  1380
gttgaatgat ggacagtggc acgaggttcg cttcctagcc aaggaaaatt ttgctattct  1440
caccatcgat ggagatgaag catcagcagt tcgaactaat agtccccttc aagttaaaac  1500
tggcgagaag tactttttttg gaggtttttct gaaccagatg aataactcaa gtcactctgt  1560
ccttcagcct tcattccaag gatgcatgca gctcattcaa gtggacgatc aacttgtaaa  1620
tttatacgaa gtggcacaaa ggaagccggg aagtttcgcg aatgtcagca ttgacatgtg  1680
tgcaatcata gacagatgtg tgcccaatca ctgtgagcat ggtggaaagt gctcgcaaac  1740
atgggacagc ttcaaatgca cttgtgatga gacaggatac agtggggcca cctgccacaa  1800
ctctatctac gagccttcct gtgaagccta caaacaccta ggacagacat caaattatta  1860
ctggatagat cctgatggca gcggacctct ggggcctctg aaagtttact gcaacatgac  1920
agaggacaaa gtgtggacca tagtgtctca tgacttgcag atgcagacgc ctgtggtcgg  1980
ctacaaccca gaaaaatact cagtgacaca gctcgtttac agcgcctcca tggaccagat  2040
aagtgccatc actgacagtg ccgagtactg cgagcagtat gtctcctatt tctgcaagat  2100
gtcaagattg ttgaacaccc cagatggaag cccttacact tggtgggttg gcaaagccaa  2160
```

```
cgagaagcac tactactggg gaggctctgg gcctggaatc cagaaatgtg cctgcggcat    2220
cgaacgcaac tgcacagatc ccaagtacta ctgtaactgc gacgcggact acaagcaatg    2280
gaggaaggat gctggtttct tatcatacaa agatcacctg ccagtgagcc aagtggtggt    2340
tggagatact gaccgtcaag gctcagaagc caaattgagc gtaggtcctc tgcgctgcca    2400
aggagacagg aattattgga atgccgcctc tttcccaaac ccatcctcct acctgcactt    2460
ctctactttc caaggggaaa ctagcgctga catttctttc tacttcaaaa cattaacccc    2520
ctggggagtg tttcttgaaa atatgggaaa ggaagatttc atcaagctgg agctgaagtc    2580
tgccacagaa gtgtcctttt catttgatgt gggaaatggg ccagtagaga ttgtagtgag    2640
gtcaccaacc cctctcaacg atgaccagtg gcaccgggtc actgcagaga ggaatgtcaa    2700
gcaggccagc ctacaggtgg accggctacc gcagcagatc cgcaaggccc caacagaagg    2760
ccacacccgc ctggagctct acagccagtt atttgtgggt ggtgctgggg gccagcaggg    2820
cttcctgggc tgcatccgct ccttgaggat gaatggggtg acacttgacc tggaggaaag    2880
agcaaaggtc acatctgggt tcatatccgg atgctcgggc cattgcacca gctatggaac    2940
aaactgtgaa aatggaggca aatgcctaga gagataccac ggttactcct gcgattgctc    3000
taatactgca tatgatggaa cattttgcaa caaagatgtt ggtgcatttt ttgaagaagg    3060
gatgtggcta cgatataact ttcaggcacc agcaacaaat gccagagact ccagcagcag    3120
agtagacaac gctcccgacc agcagaactc ccacccggac ctggcacagg aggagatccg    3180
cttcagcttc agcaccacca aggcgccctg cattctcctc tacatcagct ccttcaccac    3240
agacttcttg gcagtcctcg tcaaacccac tggaagctta cagattcgat acaacctggg    3300
tggcacccga gagccataca atattgacgt agaccacagg aacatggcca atggacagcc    3360
ccacagtgtc aacatcaccc gccacgagaa gaccatcttt ctcaagctcg atcattatcc    3420
ttctgtgagt taccatctgc caagttcatc cgacaccctc ttcaattctc ccaagtcgct    3480
ctttctggga aaagttatag aaacagggaa aattgaccaa gagattcaca aatacaacac    3540
cccaggattc actggttgcc tctccagagt ccagttcaac cagatcgccc ctctcaaggc    3600
cgccttgagg cagacaaacg cctcggctca cgtccacatc cagggcgagc tggtggagtc    3660
caactgcggg gcctcgccgc tgaccctctc ccccatgtcg tccgccaccg accctggca    3720
cctggatcac ctggattcag ccagtgcgga ttttccatat aatccaggac aaggccaagc    3780
tataagaaat ggagtcaaca gaaactcggc tatcattgga ggcgtcattg cctgtggtga    3840
ttttcacccc atccctgtgc acccccggtc cttccctgat cccggtaaca tgtttccccc    3900
cacaagggca ccctacccat acccaacgaa gcaagggggg ccggaagtcg gcagaagaag    3960
cccggacgcc gcccatccat gaacaacgac cccccaactt cacagagacc cattgatgaa    4020
agcaaaaagg aatggcctca tttgaggggt ggctacttgg ctatgggata gggaggaggg    4080
aattactagg gaggagagaa agggacaaaa gcacccttgc ttcatactct tgagcacatc    4140
cttaaaatat cagcacaagt tgggggaggc aggcaatgga atataatgga atattcttga    4200
gactgatcac aaaaaaaaaa aacctttta atatttcttt aa                       4242
```

```
<400> 2949
cccacgcgtc cgagagaatt cacactggag agaagccata tgagtgtgag gtttgtcaga     60
aatttttag gcacaagtac cacctcattg cacaccagag agttcacact ggagaaaggc    120
```

1755

```
catatgaatg cagtgattgt gggaagtcat ttacccacag ctctacattc cgtgttcata    180
agagagttca cactggtcag aagccttatg agtgcagtga atgtgggaaa tcttttgccg    240
aaagctccag tctcactaaa cacaggagag ttcacactgg agaaaagcct tacgggtgca    300
gtgaatgtga aaaaaaattt aggcaaatct cttcacttcg tcatcatcag agagttcaca    360
aaagaaaggg cttatgagtg cagtgagtcc agtctcatta aatattggag aatacacacc    420
tgagtaagat cctgtgattg cagcaaatgt ggaaaatgtt tacccaaagg tctgctctcc    480
ttggatattg gagagttcac actagagaag agtccttaca agtaaaataa atttgggcag    540
ttttgtagcc acacctctgt attccttcag gattatagtt aacactgaat gaaggcctta    600
ctagtgtgac aaatacagga tatttatcca gaagtctggc tgcataactc acaggagagc    660
tgtcatgtgg gaggattgct acatgggagg atttgcttga gcccctggga ggcagaaggt    720
tgcagtgagc cgagattgca acactgccag tcccagtctg ggcccacaga gtgaggaccc    780
tgtttcaaaa ataaaatata taaatgacat ccaataaagt atgcatattt gagctgcagg    840
ataagtcttg aattttcttt ttctttttt tgggagagcc ctcgctctgt cacccaggct    900
ggagtacagt ggcataatct cgggtcactg caagccctgc ctcctgggtt aatgccattc    960
tcctgcctcg gcctacctaa tagctgggac tacaggcaac ca                      1002
```

<210> 2950
<211> 1887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1888)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1857)...(591)
<223> similar to gi3327174 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2950
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ttttttaat ttcctgcaat aagtagtcat ttaattaaag aacaaaatta acaggaatca     60
aaatgttgca gctgtatttt ttgttagaca ttatataaaa aaggaaaagt ataatacagt    120
aaatcatctt gtataacatg aacttaaaga gttttcaaat taattatgat caggataaaa    180
atgtcttttg aacataatac tgaatgacac tgtcacatgt ccctcatgtc agaggcctgg    240
gagtggtgag cctgcacatg cacgttgccc gtcctccatt acactgcaga actgtaaaac    300
aaggttgaaa ggcaaacaac agttttcttc tgatagagtt atgttgggtc ttaactgacc    360
ccaacagttc acactcctca gacaccaaag aaggaaggaa gtgtgtcctc tggttactcc    420
tcttgcaggt aagtgtggtc aagattgcac ctgtgtgtgt gatcctactc ttctcacaaa    480
cacagcaggt agggtagtct tgagctgaac ttcaggaaag ttccctgatg aatgttcagt    540
gttggtatca aaaaattaaa cacaaattct tctcagaaga aatctctat ggcctgtgga    600
atcttgtcaa gtgcttgctt gatgcatgta cctccatttc attactttg tactcattta    660
attctttacg aattgctgcc ttatctgctg ctgacagtct cgtccagggt ttgtctgccc    720
tcctgtcata gtcctgcgct tttgctactt ccacgtaatc actgaatcgt atcagaattt    780
ttctgtctct taattcatca acagtgggtc tctgattaag ctttcttgtc aatctttgct    840
tgatttctct tctttcttcc tgctctgtct gatcattcct ttgtttcaag atatttcttc    900
tctccagctc ttccacggca ggtctttggc tcagccgttt ggaaagcttc atctcgatct    960
gctgccggat ctcctgtctt tcttcatcag tccttctggg gaaaatgttc cggtcttcta   1020
```

```
gttcctgttt gcttggccgg ttccttagct tcacggccag gagctccttc ttgcatttcc   1080
gtggcagtgt tccagaaata atggagtcgt tcagcgcctc ctcgtcctga tacaaaagca   1140
agtcgtcttt gagttcagaa tttatgatca ggttctcctt gttctcctca gattccttag   1200
cggcagttcg cttgttctcc aatgccccgt caaagctcca agcctcctcc ctctccttgc   1260
cccgctccac gctggacgtt ctcgacagac ggacatccag ccgcttcttt ggagaccctt   1320
tactttctct tccttgaaaa ctgtcctggc ggtgcttcgt ggccagcgcc ctgtgcagct   1380
cctcaatgac gcggcttggg ggaagaggcc ggtggaccgt ggtgagatgc ggagaccccg   1440
tgggtgtgga gagctggccc cggagggaag ggtcggcact cttcatgctg gaggcttgga   1500
agagtgtggc ttggcctgtg acatttttg tggttttgga gcttgccttg ggtggcggag   1560
tgggcagcag tgggggggctg gggagctggc ccacggatct ctccagaggt ctgggaggac   1620
tgtccaggga gtcagcccca gctaaggctt gggagagctc attggtggtg ggcaggaggc   1680
tgccagcgtc tgcttcttca ccactggatg cagaaggcat cttggctgca tcgtccaagt   1740
gggcagctga ggacagtggc ttgtccaggg agacctggtc cgtcccagtg gccaaggggc   1800
ttccgggctg ggcatcttct gaagtcagcg tctccgccgt gggagtgggt gggganttccn   1860
ccgcnctggc gagggtntac ctgtcat                                       1887
```

<210> 2951
<211> 2085
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2086)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (25)...(79)
<223> similar to gi1613858 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2951
```
tggcacgagg cctcgtgccg gaaaactgag gcctgggagc aggaacctgt aggcagcgct    60
tgagggtagc gggatagcag ctgcaagcgc gcgtgggagg cgggggctct gggcggaaca   120
aaaatcacag gatgtcagag gatgtttccc gggaagaact gggataaagg aagggtccca   180
gcaccatgga ggacccgaac cctgaagaga acatgaagca gcaggattca cccaaggaga   240
gaagtcccca gagcccagga ggcaacatct gccacctggg ggccccgaag tgcacccgct   300
gcctcatcac cttcgcagat tccaagttcc aggagcgtca catgaagcgg gagcacccag   360
cggacttcgt ggcccagaag ctgcaggggg tcctcttcat ctgcttcacc tgcgcccgct   420
ccttcccctc ctccaaagcc ctaatcaccc accagcgcag ccacggtcca gccgccaagc   480
ccaccctgcc ggttgcaacc actactgccc agcccacctt cccttgtcct gactgtggca   540
agacctttgg gcaggctgtt tctctgaggc ggcaccgcca gatgcatgag gtccgtgccc   600
ctcctggcac cttcgcctgc acagagtgcg gtcaggactt tgctcaggaa gcagggctgc   660
atcaacacta cattcggcat gcccgggggg agctctgagt gcagcttaag cctctccacg   720
gtgacgggtg gctctgtggc tggtaggact cacccatgat atggggtgca ggaactctgg   780
gggccctgaa ggatttgctt ccctcccctg ggaaggcaga gggctcttaa taaagaggac   840
ccagaagatt cttatttaga gcttcagtct ttggagcaca cagggccttc gtgagacagt   900
gaaatcagat aataatgaga tcttttgtta aaaaaaaaa atgggaaggg agtgcgggag   960
agaaatggtt tgtgtctccc ttattcccag ttaaatacct agctgcagat tgtgccatca  1020
```

```
cccttcattc ttcccagatg gatgccatgg gctatgggag caaattgccc tggacctttg      1080
cctgaatggg ggcaggaaag gtgaggtgtt gctggcctgt aatgccacca ggtgagttcc      1140
agatgtggag caacttgggc ttttgggggat ggggcagcaa agttgggagc tggaccccaa      1200
ttgagtgggg gtagcaattg gagtccttgt gtctcttttc cacccccctgc catcctcact      1260
tagaggggcc atggcactag atggcactag tcccccgata atttatgtct cgttgaaata      1320
attttgtata tcattctagt cctgaaatat ttttttcata tgtgtaggtg aaatggtatg      1380
aataagctaa caggaatagt atctaaaaac agaaaacatc catattaaaa tgtcgtaaac      1440
cagggagctc tggctttttna gtgggaattt ccagagaaca taagggtgtg ggcaggtggg      1500
ggaactcagg ccagagttgg cctcgctttg tggggaaact ggtttggaat caaacagaga      1560
taccttctgt ttcgggtttt atttggccaa cactgggaga tttcccatta agatcctatt      1620
ttcagctctc ttgaaaggcc caacctaggc tgacattgtc acaggggcag gacagaagtt      1680
acaacaggct ggagggagca gtgggtgtca ccctcaactg gagatgagtc ccaccaggcc      1740
agttttaccc ccttagttac ctgccctgca cctgcagaca atggtcgatg ccttgcatat      1800
aatacttata gactctgttt atgttgaggg atgtttttaa agcccacagg tgaggtggat      1860
gtggaagact gatcactgtc tctgttttta gctaagcaca cagcagctga aaagactgca      1920
tttcccagat tcctttgcag ctagatgtgg ccttgtgact gatttctggc taaattcctg      1980
ggtagaacag tcaagcttaa gaaagggacg gctgggcaca gtggctcacg cctgtaatcc      2040
cagcactttg tgaggctgag gccggtggat cacctgaggt cagga                      2085
```

<210> 2952
<211> 923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(831)
<223> similar to gi206712 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 2952
```
gggacgaggg gctttgggag aaaaaaatcc aactggcaaa agagatgcgt tcctcagtgg        60
attccgagat cggccagacg gagatccggg ccatgaaggg cgagatccac aggatgaagg       120
tcaggctcgg gcagctgctg aagcagcagg agaagatgat ccgtgccatg gagttggcgg       180
ttgcccgcag agagaccgtc accacccagg ccgaggggca gcgcaagatg gacaggaagg       240
cgctcacccg caccgacttc caccacaagc agcttgagct gcgccggaaa atcagggacg       300
ttcgcaaggc caccgacgag tgcaccaaaa ccgtcctgga actggaagaa acacaaagaa       360
atgtgagcag ctccctccta gagaagcagg aaaagctgtc ggtgattcag gcagacttcg       420
acacactcga ggccgacctc acccggcttg gggccctcaa acgacagaac ctttcagaga       480
tcgtggccct gcagacacgc cttaagcacc tgcaggctgt gaaggagggg cgctacgtgt       540
tcctgttccg ctccaagcag tccctagtgc tggagcgcca gcgcctggac aagcgactgg       600
ctctcatcgc caccatcctg gaccgcgtgc gggacgagta ccccagttc caggaggccc       660
tgcacaaggt cagccagatg atcgccaaca agctcgagtc accagggccc tcctagggag       720
cagcctggac tccgccttgc aaggcctcca ggaagagatc cggaattgtg tttgtcatga       780
gggacttgga atcttttgtg ttcctaaaaa ccacatgtac cctcagaagg gcatcgttta       840
agagaaataa gccagcccca cccataggaa tcttttttagc cactcagcaa tttaataaac       900
caggtaaaat cctaaaaaaa aaa                                                923
```

<210> 2953
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(12)
<223> similar to gi3901268 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2953
gattcgagac tggtagacac tagtccgtgt ggtggaattc ctccactggg aacactcggg   60
ctgccctggc cactctggag cgcgttgcca agatgaaccg ctcggtcatg ccggagggga   120
agctggtgga gcccgtcctg gaaaaaagag gaagatttgc agacctattg gatgctaaat   180
atttacggac cacattacag atctgggtca tatggcttgg aatctctttt gcctactatg   240
gggttatcct ggccagtgct gagctgctgg agcgggactt ggtctgtggt tcaaagtcag   300
actctgcggt ggtggtgact gggggggact caggggagag ccagagcccc tgctactgcc   360
acatgtttgc accctctgac tatcggacca tgatcatcag caccatcggt gaaattgctt   420
tgaatccttt aaatatactg ggcatcaatt tcctgggaag acggctgagc ctttctatta   480
ccatgggatg cacggcttta ttctgccttc tcctcaacat ttgcacttca agtccggcct   540
gattggcttc ctcttcatgc tgagggctct ggtagctgca aacttcaaca ccgtctacat   600
ttacacagct gaggttctta tgagtgcatc aatactgggg gccctgtgtc tcttctcatc   660
tgtctgtgtt gtatgcgcca tttctgcatt cactctcccc atcgaaacca aaggacgggc   720
cctccagcaa attaaatgaa gacctgcaaa gctatgtcta ccagatgaga aaaatgaatt   780
ctatcttcag aactgcggtg catttttta aaacttggtt ttacttctgt atgctactcg   840
gtaattagta aagtgatttt tttttaaaag gcatatatgg gaatggggta ggtaactgta   900
tattgatctc ttccttgagg aacaatatat aaagtacttt tataaaatat aatttaagct   960
ttcaaagggg tgtgagaggg agatggtgg   989

<210> 2954
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(309)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2954
tttttttttt ttgagacgga gtctcgctct gtcgcccagg ctggagtgca gtggcgggat   60
ctcggctcac tgcaagctcc gcctcccggg ttcacgccat tctcctgcct cagcctccca   120
agtagctggg actacaggcg cccgccacta cgcccggcta attttttgta tttttagtag   180

```
agacggggtt tcaccgtttt agccgggatg gtctcgatct cctgacctcg tgatccgccc    240
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc accgcgcccg gccaagttat    300
gatttcttac agccacatgg gcgctggtgg gaacaaagca ggcgggtccc acaggagcac    360
ctgccacccg gagggccacc tcctgcagtg tctgtaaccg ccagagctct tactgtgttt    420
cctaagtgct tgttcttata aaaatcaatt aaaacaggaa gaggcagggg gagccgaggg    480
ggtgctgcgc ccagagagag ggtgctaggc tgctggccca gcaaggcctc aaggaaagca    540
ggggtccgcc aggacccctc cttcagacag aggcctcggg cttgggccgt ttcaggatga    600
gacgggagat atgttccagg cctgggcacg ggacaagcag tcccccgaaa atgctgacca    660
gctcccggtc tgcagcgtgg gtgcccaggt gggtggtggg tagacatcct ggggtgccga    720
cggttgactg gttctgggga agggccgcgc agccctgggg gatccctgcc ccaccctgga    780
ctggacagga cttgggaatg ggctggcaaa gccacccctc aacctgatga aaccccttgg    840
agcacccaga ccacatgcct gaggacaggc tcagacccca ggctctgggg gttcccgggg    900
gactaccaga agccccaagt caccccataa aagcctccca agccccagtg gccagactca    960
cacccactt tccagacaga aaccaaggct gggatagctg ctggccacca gcagccgccc   1020
caccccacc tgcaacacca gcccagctca agacaggcct ggggcctcca ccctggcagg   1080
gcccacggag ggcccatgag ccccaacact cttgcctcag ggggcctggg ggtgggagat   1140
gcccctcct cgtgtgcacg ctcacctgcc cctccctgag cagtgcatca gccagcgcca   1200
ggctggaggt tggaggccgc caccttttta ctggctggct ggcaggcagg aggctgtgct   1260
ggggagatgg gacacagctc cctgcccaag ggccagcatg gctgctggtg ccccaagatt   1320
caggccaggc ctgtcactgg tgtcttcggt ccctctgggg aatt                   1364
```

<210> 2955
<211> 1734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1736)...(1464)
<223> similar to gi1710216 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 2955
```
aaatttgtat ttcgataacc attagtgcag tgcggtggaa gtcaagatgg cggcgcggac     60
agcgttcggt gctgtgtgcc ggcgcctctg gcagggattg gggaattttt ctgtaaacac    120
ttctaagggc aatacagcca aaaatggtgg cttgcttctc agtaccaata tgaagtgggt    180
acagttttca aacctacacg ttgatgttcc aaaggatttg accaaacctg tggtaacaat    240
ctctgatgaa ccagacatat tatataagcg cctctcggtt ttggtgaaag gtcacgataa    300
ggctgtattg gacagttatg aatattttgc tgtgcttgct gctaaagaac ttggtatctc    360
tattaaagta catgaacctc caaggaaaat agagcgattt actcttctcc aatcagtgca    420
tatttacaag aagcacagag ttcagtatga aatgagaaca ctttacagat gtttagagtt    480
agaacatcta actggaagca cagcagatgt ctacttggaa tatattcagc gaaacttacc    540
tgaagggggtt gccatggaag taacaaagtt ttgtttcttt attttttttag acacaattag    600
aacagttacc agaacacatc aaggagccaa tctgggaaac actatcagaa gaaaaagaag    660
aaagcaagtc ataaagcctc agggaggcca tttttgccta aatttgaaat gagggtgggc    720
cagatgagta tgtttaagtg gagagtgctt ccagctgaga tgatttgagt ctgtcctaac    780
tgctccattg agttctcgtg ccctcatcag ctgagggcag ggaatggaac tttaatggaa    840
gaaccacttt tatctattct ttttattcat tgtttcagtt ctgatttcag caaacatgag    900
caaaccactt tgactgaaag cagaaagagt gaaaattcta ttttgttacg ctactggtgt    960
tcaattatta gtttgtacca ttttttaattt atgtcagttg atgcatctga aaataagtgc   1020
```

<center>1760</center>

```
ttggagtgtt cgtacccttca tttttttttta agattcctag aaggaatctt tggttaattc   1080
agattgagca gttaaagttt ttgctattta cctttgtgca ggctggcata tgctaatttg   1140
ggggtggtaa ccaaccgatt ttatctcatg taagcattac attttgaaga ctgaatatac   1200
ttcacagcag atcaaacaca tttatggcat gcactgacct cttcttggag cccagaactt   1260
tatagagttg cctaccaggg ttactgtaat ggaatttatg atcttaagaa attactagtt   1320
gtattattta tcctatgatt cattcattca ataagctttt actgcataaa ctttacatcc   1380
agcactgtag ttaagtaccc aaaattgaat agaaataatg gcttttgaaa attgcacaaa   1440
gcaggccagg cacggtggct cacgcctgta atcccagcac tttgggaggc cgaggcaggc   1500
ggatcacgag gtcaagagat ccagaccatc ctggctaaca cggtgaaacc ccgtctctaa   1560
taaaaataca aaaattagct ggacatggtg gcacgtgcct gtaatcccag ctactcagga   1620
ggctgaggca ggagaatcgc gtgaacccgg gcccggtgga ggctgcagtg agacgagatc   1680
gcgccactgc actccagcct ggcgacagag cgagacaccg tctcaaaaaa aaaa   1734
```

<210> 2956
<211> 1799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1799)...(1202)
<223> similar to gi3747099 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2956
```
cttagaattt aagcatgaac attacaaaga cttaaggtat gtgataaaaa acctctttcc     60
ttacaggtat tcagatttta tttgtgagcc cctaaacatc aatgtcttaa agggttgaca    120
ttataacaat ggaataactg aaaagcgaag ttttctgaag tcatatgacc ctgctgtgtg    180
cccaagtcac ctattcacat ggctgttcac atcatctgca tgaaaatatt ttcactttct    240
gttaaccata gtgatttaca attctatgac tattaaagtt tattaaacac aagtttagaa    300
agtatcttta acaaaggtgt gtttatttcc atatattgct cattacattt ttcttgccac    360
agttttatct aaagccaggt caaaatcttt ctctaaggta tttattaata gtgtatgttc    420
ttcagatata aaatccctct ggtcaacatg caacatttga atatctattg gcactgtacc    480
tctatgagat atttatgaca tttgttaata gtgaacctca acctcctgac cgcacatccg    540
aagttggggg cgatgtgggg gaacatacac aaaattacaa ccacattact ggtcaagcac    600
tttatagcta aaatctattg actttaaaat agcattgtat gtgaattcag agttttaatg    660
tattttgtgg atcaaaagga aagggtcaaa ggctaagctg aacacggagg gcactaaatt    720
agctaataag gcagctagtg cccctgttct tgccccagcc ctgtcatatc actacatccg    780
attctctcaa atgttataaa gaataatgaa cttaaaactt caggggttcc tgaaaactgg    840
tattaaatta aaagcagagt agtcaaaatt ctttgcaaat gacttctgtg atagaaaaaa    900
atatttccaa cctgcgtcag aggagaatta tcttttaggt gccaaggaaa gagtgataaa    960
gatgctgagt atattagtca aggtcatctg agaagactat tttgtggttg attcttctga   1020
gcccctgaat tgtccaacat tattggtgta cctgtagcgt gaacaacatt gcaaccaata   1080
attttttgaa tacagcaatg taaaaccctc aactttaatg ttcctcagat cgtaacaaat   1140
cagctcagct acaagtcttc cccaaagtgg agctattcta gtcatatatt tacttagttt   1200
caaagagcag gaatcctgca aaggtggaga agcgttggtg gtccccatgg agagcgccat   1260
tgcccattcg cagccaaacc tcatcccctt tggctagctt cagcacagca tgattgctgg   1320
atgtatctga tttgcccttc atttcatagc tgtacatgct gaagactgtg ttgccattgt   1380
gcataaggta cacatacact tcctcaacat cctcatgctt catcatgctg aaggtgaaga   1440
aatacacacc tgatactggg gccccaaatc taccagtcat gacatcaaag aagtttccaa   1500
```

1761

```
tgttggtctc aacactgctg aagataatcc cactgttctg attgctgaag tgggttgcca    1560
gagaagccat gaatgcaatc tgtaatccca gctactccag aggttgaggc aagagaatcg    1620
cttgaacctt ggtggaggct gcagtgagcc aagatcacac cactgcactc cagcctgaag    1680
ttctggtgga atccccgggt agcccttctc tcctttgggg ccatgctgcc cccgctcccc    1740
tcgaggcccc aggtcacctt tgtcgccctt ctcacctttg gctccttcat gaccagtgg     1799
```

```
<210> 2957
<211> 1798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1799)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(1310)
<223> similar to gi1894791 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 2957
agccatcgta aaaccacaac cagctgtaca tcaacatagc tcaagttcat cagtttcctc      60
tgggcatttg ggagccctca accattcccc tcaatcactt tttgttccta ctcaagtacc     120
tactaaagat gatgatgaat tctgcaacat ttggcagtcc ttacagggat ctggaaagat     180
gcaatacttt cagccaacta tacaagagaa gggtgcagtt ctacctcaag aaataagcca     240
agtaaatcaa catcataaat ctggctttaa tgacaacagt gttaaatatc agcaaagaaa     300
acatgaccct cacagaaaat ttaaagaaga gtgtaagagt cctaaagctg agtgttggtc     360
ccaaaaaatg tccaataagc agcctaactc tggaattgag aacttttttag catctttgaa     420
tatctccaaa gaaaatgaag tacagtcatc tcatcatggg gagcctccaa gtgaagagca     480
tttgtcacca cagtcatttg ccatgaagag atgaatatgg attaccctct cagcctaaac     540
aaaataagaa attagcatct tatatgaaca agcctcacag tgctaatgag taccataatg     600
ttcagtctat ggacaatatg tgttggcctg cccccagcca gatccctcct gtatccacac     660
cagtaactga actttctcga atttgttccc ttgttggaat gccacaacct gatttctcct     720
ttcttaggat gccacagggc tccttaggca tgaatttccc tttgccttca caagtatttg     780
caaattatcc ttcagctgta ccacctggaa ccattcctcc agcctttccc ccacctactg     840
ctaatataat gccttcgtcg tctcatctct ttggctcaat gccatgggga ccatcggtgc     900
cagttcctgg gaagcccttc catcatactt tatattctgg gaccatgccc atggctgggg     960
gaataccagg gggtgtgcac aatcagttta tacctctgca ggttactaaa aaaagggttg    1020
caaacaaaaa gaactttgag aataaggaag cccagagttc tcaagccact ccagttcaga    1080
ctagccagcc agattcttcc aacattgtca aagtaagtcc acgggagagc tcatcagctt    1140
ctttggaagt cctctccgat ttgctcaacc tgcatcttct ttttcaagtt ggaaactggc    1200
ctcttcaagg ccattagtat atctcaccat aagtcaacac caatctcttc ttcaagaaga    1260
aaatcaagaa aactggctgt taattttggt gtttctaaac cttctgagta aatttggccc    1320
cttagaatta agttaatttc ttctctttcc atctaccttt ttataaatac atatctatgt    1380
ctcataaaaa ttagaatgta ctattttaaa ataatatgtg taaattgaaa ttttttttcat    1440
ttttaagtta tcaggcactt ttcatgctgt ttaaaagact gtgtatcaaa ttgtgcactt    1500
taagtatgtg cagtttgttg tatgtcaatt atacctcaat aaatctaata aaaaactaaa    1560
ttaaaccttg cattaaaata atatcacagt atcagtggac taaacattaa aatgtaccac    1620
```

1762
```

```
tctaatcatt ggcctcatga ttgaagcatc ctgaactatg aattagacat cagttagcaa    1680
taataagcat tttttnacta tcattgagga ataattcatg gagcatgaaa tttgggcctc    1740
cggtatactt ctgaatgtgg atttatnctc tttttaatga tgtagaaaat gnaggaga     1798
```


<210> 2958
<211> 4138
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3756)...(2555)
<223> similar to gi2739386 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2958
```
tttttttttt ttggaatttt taatttattt atcatgtttg taagttacag acatttatgt      60
tttcagcaac agtttataat agttacatct catacttcaa ctattagaac agagagaaca     120
ttaaagtaca aagaaagact tcaaaaatga ggttactgtg atgtatcata aaaggagtta     180
aaattcaaaa tatcaaagac ctcacctatc ggactaaaca taaatcttaa aacctcctat     240
ggtcctctga gcctaaaatt acaaaactta gcaactgctt aaaccaagga attaacggtt     300
ctgtgttttc aaggtaagaa aacaaaaaat gctttggtaa actaccttta atactagttt     360
aaatgtttct gccttgtttg tatctctctt gaaagactgt atataagtac aggcacagca     420
tatatttgag aaaacatctc acaaatttca tttactatag gtttctcaat aatctttaca     480
tttaatcaat gagaaaagtg attcagtctc ttgaatttta agttaaaaaa attaaaaagt     540
atttccaggg actcttaaag ctctctccca aagtataaaa tattatgtac tttcaaaatc     600
ttaagcattc acgttctttc tgagaccaac gcaggataca aacttactct caacatagat     660
gcttatgtgc ttttgggcac acatagtctt tcttagaaca gtggtcaaac agctcacagg     720
accctgtact cctcttcatc ctggactgtg atggtggcca cagccagacc agccccctcc     780
catctgcctt ccaggtcaga ttccctggca tttattaagc tgtcactctt caatgggttc     840
ttccttgggg gactcaagct cattcaataa gtctttgcca gctgctccgg cttttgaagc     900
aaagagaact gctccctgct taaaaccgag gttcttcaaa ctccgggcat aatctgcata     960
tatagcagtg atgagtttct ctgtgtcctc agtgacttca aatgctccat acttgaggca    1020
agcttccaca aataaggctg ctctatcaaa gtatctcatg ctgtgaagcg tctctgccac    1080
gctaaaaaag cagcccagag agaggagaac caggagagcc tttgatttct gattgacttg    1140
tggagaacaa aggtggtcaa cccaccgcct taaaacatcg gcacactcct caggattcaa    1200
acggactttt gccagccatg cagcccgatt ccactcgccg tatgtctgca ggtagcggca    1260
ggcgtctgca gccttatcta tcaggcagag caactgaacg ccctctgcca atttgccatt    1320
ggcaatcata ttcgttgcca ccaacttaat ggtgctctga gaggggcctg acgaggtgac    1380
agtagtgact aaacaggctt tcagtgaatc acagtaataa tgctggttat ctgcacttgt    1440
ttccaacagc aactgcacag ctctgtctgt ttgacccaag agcagtagct ggtctgtaca    1500
tttccttgta tgatcataag ttgaccgttt cacttcctgc agattaaccc tttctagctg    1560
aaatttctga aagtaggcat tttcacagag cacgtcatag catatatcca gtgggttgct    1620
cagtttgtct cgaggagcag cttctttagg agctgttgtg ctggctgact tttcctggga    1680
taagctgtgc aggtagtggg cagcgacagt ccagaagtgc agctccgatt catcaccata    1740
gagccttgaa acaagcaggc acctctgcaa gagagtgaat tctggatcaa gcaacagttt    1800
ctttatgtca ttagacaatg aattcaactg ttcttggagg agattcttta tttcttcatt    1860
ttctggatag tcaacatgag aaatgtccaa agaatactgt ccattccaag gctggtgtaa    1920
taagaaggct ttcaaggcaa gagaggccct tggaacaagg agataggggc accacacagg    1980
ctcggttaac tcttgttcat ccattctaaa gcacgcagac ttcatagaca tctctaggac    2040
```

```
tctgatgcac ccatcatctg aggccaagat cactttatct gacgtacacc agtccacatc   2100
caatatacga aaggtcacat ttctgccact tcttaaactg ctcaccatct gaacctcttt   2160
agtatcccac acttcagctc catcattgta cattgctatt aatttttgat ttcctttacc   2220
aggagcaaaa cgaatcttcc tcacccaact tcggtgtgtg ggtattcctc tggatactct   2280
gcctttcaag tcccagaaat ttaaatttcc atccatatct ccaagcacta atgtatcacc   2340
tttccaagcg atgcaggtaa tactacccat acttccatct ggtggaatcc gagcactgtc   2400
ttttactgag tttccttcaa cagtgagatg atacacttgg ccatcaatat cggtaaatac   2460
aaaatgttcc cgggcagaga tgttctgact aagttcagat ttactttctg cctcctgcag   2520
caagctgatc acagatgatt caacaatact cagctctgtg tctgagacta cggtctggcg   2580
ggccatggcc tctcgagttg caagttgctt ctttctcagg ctcttcaagt tgtgagatgg   2640
tgaccactcc aaagcagtta ttgtagggaa gtttttggac atctctctaa gaagggtaca   2700
agtcctaaca tcccatagct ccaggggttt atctctgaat acgactgcca aatactgctt   2760
caaatgagat actttaatca tttcgatggc agattcatca ttgcctcttt caccacgaaa   2820
agcaatgctc ctacctgttg gaagatcaac cagttgaagt tcatttctca ctaatcccat   2880
attgtttggt gttgaggtag caaaagaaag aaaactagtc aaacttgtcc attcaatacc   2940
cttgacttca catgagtgga tgcttaactc tttgtgtagc agaccactgg tgagatggta   3000
caccaggaca gaaccattac ttgtaccaac agccagcagt ggctgataca tcttgatgtt   3060
ttttgtggtc aacggtggac acatacgaat agcaaactgt ggtgcgggca gtcctgaaag   3120
cagtcccgtc agcaggaact tgaggtgcac ttcccgcaga attgaacctc tgggatgttc   3180
ttccccagca attgcacttt gcccaatcat gttatctaag gaaaggtctg ggagtttatt   3240
ctgtagcact cctacaggaa ttccacagaa agacactggt gaatataaag gtgacacacc   3300
agaactactg ttccgtgaat ttcgattaca aactgcagac ttgagttccc atatcatgac   3360
cctgccatca ctcactacga gggcggctgc attctcattg acaggacagc acaccatact   3420
gaagggacgg acggttttg tcaccctgat tgcatcacac tggcttcgta aatcataggt   3480
aagctcctga actggatctg gatctggttc ctcatttgaa gtggtaaaaa tgttattata   3540
agatcttcga acacgtaaag ttatacaacc attttcatgt agacaaaata aaccatcacg   3600
ctgaaagcag ggtattacct gtaaaaatgg aactcctgtg cgttctattg caatcacacc   3660
caccgtctga ttcacctcaa ggtcaaggat taaaatctct cgaggataga gcaacaacat   3720
gtgattcctt tttgaaggca ggtatgccaa ctgaaggcaa tcattgagag ttatgaattc   3780
agcactaggt ttctcttgag tgattaaaat ttttacttta tttagagctt tcttggcacc   3840
tgtggctgtg gccagcttgt tatgagctgg gctagagtgt gggctggata tgtaaacttt   3900
tttcccaggg cctgagggag gcttggatgg ggagaagtct gagatgaaaa caataccctc   3960
gctggtaagc actatattga gaaaagcaaa actctgatta aagtttaatg aagtttagca   4020
tacagtttta ttccaataca attttgagag caatatagtg ataattttaa taatatataa   4080
ctggcaatgt tatgcattca taacataatg ggaatgttct ctaagttgaa gagaaaca     4138
```

```
        <400> 2959
agctgtagtg ggtgctgttc ttccatgcat aagttcgcca tactaactgg ggtgtagata     60
tgtacctctt ttctctaggc tcagagtccc ccaaaggggc cattggccac attgtctcta    120
```

```
ctgagaagac cattctggct gtagagagga acaaagtgct gctgcctcct ctctggaaca    180
ggaccttcag ctggggcttt gatgacttca gctgctgctt ggggagctac ggctccgaca    240
aggtcctgat gacattcgag aacctggctg cctggggccg ctgtctgtgc gccgtgtgcc    300
catccccaac aacgattgtc acctctggga ccagcactgt ggtgtgtgtg tgggagctca    360
gcatgaccaa aggccgcccg aggggcttgc gcctccggca ggccttgtat ggacacacac    420
aggctgtcac gtgcctggca gcgtcagtca ccttcagcct cctggtgagc ggctcccagg    480
actgcacctg tatcctgtgg gatctggacc acctcaccca cgtgacccgc ctgcccgccc    540
atcgggaagg catctcagcc atcaccatca gtgacgtctc aggcaccatt gtctcctgtg    600
cgggagcaca cttgtccctg tggaatgtca atggacagcc cctggccagc atcaccacag    660
cctgggggccc agaaggagcc ataacctgct gctgcctgat ggagggccca gcatgggaca    720
caagccagat catcatcacc gggagtcaag acggcatggt ccgggtttgg aagactgagg    780
atgtgaagat gtctgttcct ggacggccag caggagagga gcccctggct cagcctccaa    840
gcccaagagg ccacaagtgg gagaagaacc tggccttgag tcgagagctg gacgttagca    900
ttgctttgac agggaagccc agcaaaacca gccccgcagt gactgctctg gccgtgtcca    960
gaaaccacac caaactcctg gttggtgatg agaggggggag aatattctgc tggtctgcag   1020
atgggtagga agagagaggc agcagaggct ctggcacaac agtgccaggc tgaggtggc    1080
agaggtgact ggggcctgag ctctgcctac agaaaaaacc cccagggcct ccttcccac    1140
agttctcaag gaagggcctc tggcaatcac agctctgcag cccaaccctc tccatggccg    1200
atgggacttc tatgaaaagg atgagcacac acactcggag ggctgagcag cacgctggaa    1260
actgtgactt ggtgatgccc agctgcacac gaaattacac atgactcacc ttattaaggg    1320
ctattgcact gaaaaaaaaa aaaaggggc ccctaacggg aaattattgt attgtcttta    1380
ttttattaaa gcacctatgt tttaaaaaaa aaa                              1413
```


```
<210> 2960
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(793)
<223> similar to gi203654 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


```
<400> 2960
catggcattc ctttggcttg tgtgctgctt tgcccttgtg ggcgccacct ttggctgtgg     60
ggtccctgcc atccaacccg tgctgaccgg tctgtccagg atcgtcaacg gagaggatgc    120
tatccctggc tcctggccct ggcaggtgtc cctgcaggac agaactggct tccatttctg    180
cgggggctcc ctcatcagcg aaaactgggt ggtcactgct gcccactgcg gggtcaagac    240
aaccgatgtg gtggtagctg gagagtttga tcagggctcc gatgaagaga atgtccaggt    300
cctgaaaatc gctcaggttt ttaagaaccc caagttcaac tccttcaccg tgcgtaatga    360
catcaccctg ctgaagctgg ccactcctgc ccagttctct gagactgtgt ctgccgtgtg    420
tctgcccact gttgacgatg acttccctgc tgggacactg tgtgccacca ctggctgggg    480
caagaccaaa tacaatgccc tcaagacccc ttgacaaagc ttcagcaggc tgccctgccc    540
atcgtgtccg aggctaagtg caaggagtcc tggggttcca agatcaccga tgtgatgatc    600
tgcgcagcgc ccagtggcgt ctattcctgc atgggtgact ctggtggccc cctcgtctgc    660
cagaaggacg gagtctggac cctggcaggc attgtgtcct ggggcagtgg tttctgctcc    720
acttccaccc ctgccgtgta tgccctcctc actgccctca tgccatgggt tcaggagatc    780
ttggaagcca actaagtaca cggtccttac ctcttccata ttactccccc gccgtgcatc    840
```

1765

<210> 2961
<211> 1372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1371)...(1149)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2961
gtcacgtatg ttttaaatat tcaaaagttt ctgtcagaaa acagtatttt ggaattaaat   60
ttctagaatc tttcataata ttctctcctc tctactgaac atagtactag gttggtaact   120
ggaggatccc agaaagtcat gctaattttt ctaacaaaac aggccttgct gtctctaact   180
ctgatctgat atcctgcttt gagcaaataa aagagccctg gaatgtgaag agacatgaga   240
cagtagtcag cttctcaggt aggtaagcat gaatgaagca gataacagag acgagggata   300
cgaaggtcag aaagaatttc agaccttaaa atgtggtata gaatgctctg cttccatgga   360
aaggtttcct aaaaagccat ttatttctct agctcccaaa taggagcatc ttttgtccca   420
tacccttaaa ttctttaagg atcctacttc ctatttagtg attttcctta gagggtaccg   480
tgagagctaa agtcctcttt atggcttata aggtgctgca tgatatgcct gctcttccat   540
tgttttgggg gagtataaga atatttctga gtattttaga ggaactgcat gttagatcat   600
ttaacgtttc ttttcccatc atgtctgaaa tgtgtaagag gagtggtgat attaagattt   660
gtttcagaaa tcacaggaac atgaatgaca gatgttactt ctctattttt ttttaatatt   720
agcaatccta acagatttcg agtgatagct catcattgtt ttcatttgca gttgcctttt   780
ggtaggtgat attgagcact tttttatata tctattgggc atttgtatat atttgttggc   840
aaaatatttt tttcactctt tcaaccattt tttagttgga ttattattgt tattattata   900
cttgcttttg ctttgaattt tctatatatt ttgaatatta agcttttctg atatatacag   960
tttgctgttg tgagcatgct gcaataaatg tgcaagtata cgtatcattt tcatataata   1020
aactattttt ctttggggta gataccccaa tgatgagatt tcctgaatca aatgatagtt   1080
ctggcccagg cgtggtagct cacgcctgta atccccaaca ctttgggagg tagaggcggg   1140
caggtcatga ggtcagaagt ttgagaccag cctgagcgat atggtgaaac cccgtctcta   1200
ctgaaaatac aaaagttagc caggcgtggt ggcagcttgc ctgcagcccc agctcctcag   1260
gaggctgaca cagaagaatt gcttggacct gggagtcagt ggttgcagtg agctgagatc   1320
gtaccactgc actccagcct gggacaacta agactccgtc tcaaaaaaaa aa   1372

<210> 2962
<211> 1529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1530)...(133)
<223> similar to gi5262613 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 2962
tttttttttt ttaataaagt cggctgccat cctctccccc ggctcaggtc aaagttcata      60
ggcagcaatg cacaaagtcc tctgtgaagc cagtgttctc tgctccccgg gtcagaggtc     120
acaggtcaag ttcagtcagt ccgaagaatc atgggcgggt gctcgctgtc ctcatccagg     180
gcgcagggcg tgggccttcg gtcctccagg gcaggcgcca cccacagcac ccagggtcgt     240
ctcgtgtagg gcaagtctcc gttggggatg aaggcacgta agtacctttt cctgcaagct     300
gcgcccgtaa tgtctgaggt gactaagggg gcaattcgtg agaaggcaga gttcccaaga     360
ttctcattgg gtcgttttcc aagactgccg ttccagccgg tgctgcttca ttcaggggca     420
cactcgccgc cctccttggg ggtccaggtt gtacatgtac aggtacccgt cggcggcacc     480
caccaacaac cgcgggatct tctgaattgt ggctagcgag cagatgtttt tgtggccgca     540
gaatggcagg cggaccgtgg cgaaggctct gccctggttg aacatttctg tcacttggga     600
aggcaggtag ctggtggagg cccatgagca cttttcccgaa gtacccggtc caggtggtgg     660
gctcctctgg gggttttttct ttcacagtct cgagtttgaa gatgtgcacg gtctcagtgt     720
tgctggaggc ggagaggaac atgccgtcca tgctgaaggc cagggagcag atgctcacgc     780
acctctttac tcctctccga aactcaaaga gttttttgtc cttctggaat ggaaaatacc     840
ctaatcacgg tccccttctc cgaagccgtg gcaagtttag ttccacttgc gtcaaaggcc     900
agtgccgctt aaaggactgt cgtgagccgg aatcatgttt gcagctctca aattaaaggg     960
tatcgaagac ctggcaaacc ctctccgatg gtcgcgctcc ctgggtacgc caagtagcag    1020
ttgtcgttgt tgattgacag cgcacacagg cctgcaggt ttggaggcgt ctccctgatc     1080
gtatgcagca ccttcatgtc ccgaatgttg tggatgtaca gggactcctc caggcatact    1140
atcagcctct gcctgttgag cttcacagcc agaatcgtgt tggagtagct gtagttgcag    1200
atctcagttc ccttcttaaa gtggcaaacc tttagcttcc ttggtgcttt aaggctcacg    1260
atggccacta ggctgctgga gaacaatctc tctacaatgc acacatcttc cgtatcggtg    1320
cattcataga tctgttccag cttatccaca gaagaaaggg agaaaaattt ataaccggac    1380
ttactaccaa cagctaggga ccagacaaca gcgcgacggc caagaccagc tgctcttgat    1440
gcccctttca cttctgtgtt gtcctggttg aagttggcga agagcagctg gccggcgccg    1500
gcctccccgc tctggctcgc caggttcat                                      1529
```

<210> 2963
<211> 1219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1220)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1219)...(468)
<223> similar to gi2429362 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 2963
tgggccccccc gagggatcct ttaaaacggc ccccccttttt tttttttttt cagagtttca      60
```

```
aaatattctc atctgttaaa ttaagagtgt ctcccataga aaagcagtgg aggccccaca        120
gggcaagtac aaaacagaat taaaactccc aagggtcttg tctttacaaa agaaaaggca        180
ggaggcagcc cctggacagc tggtcatgct ggccgctccg gttggaccac gttgcataat        240
cctcagtcgc atcatcacaa cgtctctgag cgttttgatg gggggagaag gggcagtgta        300
gtgtgtatgg gaggagaggc ccagagggct ctctttgccc ccttacccccc ttttttatat       360
cccagaggaa agtcggggga acctggctac accttgaaat gaggctatgt gtttcaaacc        420
tggggacggg gtaagagagg atctgtgctt tgagcaacct gagccagagg cagagggtg         480
ttggaggggt aaggggagga tgcatgatgc ttattgcttt gtacctttca ctgggaagga        540
gggcagcagc caacagtagc tcacaggttt gtaaactgag cctgttggct ttaagaaggg        600
aggcaatgaa atcgaattaa atataaaaga gtcatttgtg caaaaataac ttaaacaaat        660
aaaagacctg gggaaggggg tgttcccctt agcgcctggt ggggaaaggg ccatatacca        720
tcccccccag gccttttcag tgacatggct tcggggggggc gggggggtgg tgggggggggg      780
tgaaacttcc ctgccccctg caatggctca ggatgggatt gtaggggaag gagttgcatt        840
tgtgctctga gtggggagta gtgcccccac ccactgtcca caggtgcagg tggctggcag        900
gggctcccaa ggctcagcac tcagctctcc ccaatcaggg tcagatccag ctccaggtat        960
ggctgctatg gggccagttt cctcctcttg tttttggcag gacggccagg gcgggcccgg       1020
ggaggcagag ggacagctgc tcgggctgta gggctgggtt ccaaggtaat gtcctggcgg       1080
gagctattgc tgttccgggt aggggttgtat tttctcctac gaccacgacg aaaaattctg      1140
tctactcccg ggggcacctt aaggtcctca gaatggggcc cgggaggggg gnnttagcgc       1200
catcaaatag ggtctcagt                                                   1219
```

```
        <400> 2964
tcgcagattt ccagaatgaa agtgcagcag ccctggctgc tgcagccact cgacatttac         60
aagaagctga gcaaaccaaa aacagtggca ctgagcactg gtggaagatc catgaggcat        120
gcatgcttgc cctaggctca gtgaaggcca tcatcactga cagtgtgaaa aatggcagga        180
ttcattttga catgcatggg ttcctgacca atgtcatcct tgcagacctc aacctctcag        240
tgtctccttt cctcttgggc cgggcacttt gggctgccag tcggttcact gttgctatgt        300
cccctgaact gatccagcag ttcctacagg caacagttag tggtcttcac gagacacagc        360
ccccatcagt tcgaatttct gcagtgagag ccatctgggg ttattgtgac caactgaaag        420
tctcagagag tacccacgtg ctccagccct tcctccccag catccttgat ggcttaattc        480
acctagcagc ccagttcagc tcagaggtcc tcaacctggt gatggagacc ctgtgcatcg        540
tttgtacagt agaccccgaa ttcacagcaa gcatggaaag caaaatctgc cccttcacca        600
tcgccatttt cctaaagtac agtaatgatc ccgtcgtcgc ctcactggct caggacatct        660
tcaaggagct gtcccagatt gaagcctgtc agggcccaat gcaaatgagg ctgattccca        720
ctctggtcag cataatgcag gccccagcag acaagattcc tgcagggctt tgtgcgacag        780
ccattgatat cctgacaaca gtagtacgaa atacaaagcc tcccctttcc cagcttctca        840
tctgccaagc tttccctgct gtggcacagt gtaccttca cacagatgac aatgccacca        900
tgcagaatgg cggagagtgc ttgcgggcct atgtgtcagt gaccctggaa caagtagccc        960
agtggcatga tgagcagggc cacaatggac tgtggtatgt gatgcaagtg gtgagccagc       1020
```

```
tcctggaccc ccgcacctca gagttcactg cggcctttgt gggccgcctt gtttccaccc   1080
tcatctccaa ggcagggcgg gaactcgggg agaatctaga ccagattctt cgtgccatcc   1140
tcagtaagat gcagcaggca gagacgctca gtgtcatgca gtccctgatc atggtgttcg   1200
ctcatctggt gcacactcag ctagaacctc tcttggagtt cctgtgtagc ctcccaggac   1260
ctactggcaa acctgctcta gagtttgtga tggctgagtg gacaagccga cagcacctgt   1320
tctatggaca gtatgaaggc aaagtcagct ctgtggcact ctgtaagctg ctccagcatg   1380
gcatcaatgc agatgacaaa cggctacagg atatccgtgt gaagggagag gagatctaca   1440
gcatggatga gggcatccgc acccgctcta agtcagccaa aaacccagaa cgctggacaa   1500
acattccttt gctggtcaag atcctaaagc tgatcatcaa cgagctctcc aacgtcatgg   1560
aggctaatgc cgctcgccag gccactcctg cagagtggag tcaagatgac tccaatgata   1620
tgtgggagga ccaggaggag gaagaggagg aggaggagga tggtttagct ggccaacttt   1680
tatctgacat tcttgctaca agtaaatatg aggaggatta ctacgaggat gatgaggaag   1740
atgaccctga tgccctgaag gatcctctct atcagattga tctgcaggca tatctcacag   1800
atttcctctg ccagtttgct cagcagccct gctacataat gttttcaggc caccttaatg   1860
acaatgagag gcgagttcta cagaccatcg gcatctaaaa aggggagcct ttctacattt   1920
gctccttctg ggccagccgc aaaccatttt gcagccctca ctggccttga gatgcacttt   1980
cttctcaacc taaagtggca tcttgaccct tgggcccttg gcctcggcag tgacactgat   2040
gacaattcag accaggctca ccggtgccgt cacttaggaa tgctggaaca aaggacattt   2100
ctcaaagttc ccctgaagac atgccatctc tagaaccttt tttctccccg actctacccc   2160
cacctctgtt cctagagccc tctgctggcg agtccagaaa cattattgcc cagaaggatt   2220
atgtgtttat ggattatttt gccccgcctc aggagcgcag gaagtcacta ccatttatat   2280
tctaaaacag acctatctat gttcatagga cttctgatgt gttcagatag gaatcctcat   2340
gagagatcat tatgctttgt gccctggacc actgctgctc tgggttctca ggaggaacag   2400
gcaagagcag cttcattcta agcctttcca gtgacctcag ccttgcttct cttctacaac   2460
actaaggctc ctctgtcaga ggaggtcgtc ttgttttgc ttcattgcat gacataaccc   2520
ttcccctcaa gctgttccta tatatacatg cacacacaaa ataagccaga cagatggcaa   2580
tttgatcttc cttttttaga aaaaaaaaa                                     2609
```

<210> 2965
<211> 2338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2341)...(919)
<223> similar to gi4106368 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2965

```
acctcccgct cctatttcac cgtcccgatc ccatccgccc ccaccccggg acccgcgccc     60
cagggcggcc ttcccatgca tcgcccctcc cccgttccct cctgtcccca ccccatgtct    120
gcccaggacc cagccctgcc ctgtccccca ttgtccctgg gggcgggtcc cagcctcttc    180
cggagctgaa ctcggcccct gcgcgctgcc ccctcctctc tccgcagtac tcgccaggga    240
tgaccatgag cgtgtgatgg ggcggcagcc ccgggcctct ctgcgggcct aggcttctgc    300
ccagcgcccc tgctcagggc gaggggctga ggtcacacct cgggcacctg gactcctggc    360
caatcaaggc ttgcccagct gggaggcccc acacgaaaga ctcttaccat tttattaaaa    420
acgcaaggac ctcagagacg ttcttttctg tatggaccct tcctgccatt tgtattttgt    480
cccagagaga aaggctcttt ggggggcccc tctccccagg acgtcagggg gtggggccca    540
taaataaatg gaagctggtt ttggtttttg gtagcttgtc tcagattccc tctttggcct    600
```

                                      1769

```
tctgccacca cactctccac cctgtggtct ttgttccgtc ccggccccca tctagcccca        660
cctttgagaa ctggggggcag agcgaggctc caggttctgg gcttctcccc tgggaagttg        720
gggtgaatga ccatgggcag aggggatggg actgaaaact gggcgctcaa gagtcggggga       780
agtagaggga ggcagagtca ggtcacaggc cccaagaacc ccaggtggaa ggagggctga        840
agtggcagcg ccctttattt gtgggggcct tcaaggtagg gtcgtggggg gcagcggga        900
ggaagagccg agaaactgtg tgaccggggc ctcaggtggt gggcattggg ggctcctctt        960
gcagatgccc attggcatca ccggtgcagc catttgtggc agcgggtacc ggtcctttct       1020
tgttcaacat agggtaggtg gcagccacgg gtccaactcg cttgaggctg ggccctgggc       1080
gctccatttt gtgttccagg agcatgtggt tctgtggcgg gagccccacg caggccctga       1140
ggatgttctc gatgcagctg cgctggcgga aaagcgcatt gaccaccggg ctgccgggcg       1200
gcactagtgg cgccttgaag aggaagctga gcagggacag cacggggtgg aaggtctgcg       1260
gctcggggtc catgtcagtg cagaagctca cgcgctggca cagctcggtc agcagcgcta       1320
ggtccagcat gatgggtgcg gccagcagcg agtcctcaca cgtgttgtgc agcaccagtg       1380
tgttggttcc gcccagcatc agctccgagg tatactcatc cagcgcgcgc ttgctgtcac       1440
ccacgtacgg cacatacttg atgaccacgc agtggtcagg ctcttcgccg ggcgtataga       1500
gcactgggtt gctctgcacc atgtcgtcca ccacgttgct cttggacacc tccttagagc       1560
ggaactgcaa tggcgccgat aggttctccc catcgttgtt gcccaggtgg ttgtaactca       1620
cgatggacat ggtcttgagg ccggagccaa tgaggaagtc cacaagcacg gacttgactt       1680
tggtctggcc tgacttgaag tcatctccgc ccacaaaaac ccggtgctgc cacgcgagct       1740
caagagctcc gggcaccagg gtgttctgcg gagacccatt gaggaaggca cagccctcca       1800
ggatgctggc cacggcgaag agcgtggagg gcgacacctc cagaccgagc tcaatggtgc       1860
gcagcaggtt ctcggctgtg tcgttgaggc ctggaatcac ctcacagaag cgctccgtgt       1920
tcgccgtcca cagcactatg actttgtcca gccccgcgct agaccggaag tctcggatgt       1980
ccctgcggat ctgctccagc tgctgcgcac gcgagcctgg gatgaggttg tccgcgcgcg       2040
cgctctggtt ggccgcgatg aattcgggga tgtaaacaga aggccggggc cgcagggcct       2100
ccatgtgcgg ccacagttgc tcctgcagcc cccagtccag caccttcgcg cgccgcatcg       2160
cctcggccag gttcagcgac gagatgtccc agccatcgaa cacgaggtcg ttgggcgcca       2220
ccatgggcag caccgcgctg aagggtacga acacctcctg gccctcggcg tccaggccca       2280
ggctcacggt gcccgcctga gtcagcgaac cgttagtagt tggcctcctt gcggccgc          2338


          <210> 2966
          <211> 2530
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (184)...(1302)
          <223> similar to gi38458 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



          <400> 2966
tgcagcgggc gtgagttggg ggaggacggg ttgccgactc gcctacctag cggtctcttg         60
attgtcgata ttttgttggc ataggtttat gtagagacgt atacatatat atagacacac        120
tgtctttaaa tctaggcctg tatccggtgt ccgaggcgaa ctcagtaaga tgatgttaag        180
aggaaacctg aagcaagtgc gcattgagaa aaacccggcc cgccttcgcg ccctggagtc        240
cgcggtgggc gagagcgagc cggcggccgc ggcagccatg gcgctcgctc ttgccgggga        300
gccggcaccg cccgcgcccg cgcctccaga ggaccacccg gacgaggaga tggggttcac        360
tatcgacatc aagagtttcc tcaagccggg cgagaagacg tacacgcagc gctgccgcct        420
cttcgtggga aatctgccca ccgacatcac ggaggaggac ttcaagaggc tcttcgaacg        480
```

```
ctatggcgag cccagcgaag tcttcatcaa ccgggaccgt ggcttcggct tcatccgctt      540
ggaatccaga accctggctg aaattgcaaa agcagagctg gacggcacca ttctcaagag      600
cagacctcta cggattcgct tcgctacaca tggagcagcc ttgactgtca agaacctttc      660
tccagttgtt tccaatgagc tgctagagca agcattttct cagtttggtc cagtagagaa      720
agctgttgtg gttgtggatg atcgcggtag agctacagga aaaggttttg tagagtttgc      780
agcaaaacct cctgcacgaa aggctctgga aagatgtggt gatggggcat tcttgctaac      840
aacgacccct cgtccagtca ttgtggaacc catggagcag tttgatgatg aagatggctt      900
gccagagaag ctgatgcaga aaactcaaca atatcataag gaaagagaac aaccaccacg      960
ttttgctcaa cctgggacat ttgaatttga gtatgcatct cgatggaagg ctcttgatga     1020
aatggaaaag cagcagcgtg agcaggttga tagaaacatc agagaagcca aagagaaact     1080
ggaggcagaa atggaagcag ctaggcatga acaccaatta atgctaatga ggcaagatct     1140
aatgaggcgt caagaagaac tcagacgctt ggaagaactc agaaaccaag agttgcaaaa     1200
acggaagcaa atacaactaa gacatgaaga ggagcatcgg cggcgtgagg aagaaatgat     1260
ccgacacaga gaacaggagg aactgaggcg acagcaagag ggctttaagc caaactacat     1320
ggaaaattat gtctgccatt tcctaaggtg ataaaagaaa atgtggctga agttacccga     1380
agttcagctt gcagtgtaat tcagaagagt taagaccaga agtactggaa tcatacttcc     1440
tttcaggtca aaacattttg tgggaaatat cctgttcgtg acctaggaga aacaagacag     1500
aaaaaaaaat ctttcttcat ttatgaattt cttactccat acaagcagtt tatggatgtc     1560
tgggcaatca tagcacttgc catttaaaaa catgctacag gggcacattt tctgtggtta     1620
aaaatgatct ccagaataag tgtaaactgc agttttcctt tgcattgagg gttttggctt     1680
tttatttgta aattaaatca agatgttacc cactccttgg tgtggtggtc ttgctggttc     1740
gtgttgggaa gtagtatggc agcaatgcac aaattcagaa tagccaagaa atccctcctt     1800
ttcaacgctc tgtgcctggg aaccattaga ggagttttaa aaaccatccc tcatagccca     1860
caattttggg tcaactctca aaattgggaa taagaaaact ggcactgttg ggagaaaaat     1920
cgttcttact gaaacatgaa ctggctcagg caagcaaata gcgggagtcg gcacaggaag     1980
gagtgtgtgc tgcggggatg cgtggtggcg tcaccttcaa aactaaagtg ttgccaggcg     2040
gacagatgag tccttgatct tgtttcctga tcttgtttcc atttgactga attctgaacc     2100
ttcattgtct tcacagtctt gccacttgcc tagtgaggct tttccgaacc tggaaggaga     2160
cgtctagaaa tcccaacttt gctgtaacag acaaaaggac gtggaatgta ctttctgcta     2220
cagccattac agtcaactag atttgagtgc tgccgctgaa ctacagcttg tacactacac     2280
ggtccacaga gccgagcaat aacttcttta cccaaaaagt ttgcatggaa gataaacagc     2340
aggatgccag agcctgaaaa tgggagatgt gtgtgaatta cttcaaaggc aaccttcagt     2400
ccccagagga acactcaaca ccagatggaa gcaggcccct gagctgggcc tggtcagaca     2460
ggcatcaccc actctgcctg gaggctcaga ggaggctggc cctctcaaag ctcgtgtcac     2520
ctggcatttg                                                            2530
```

<210> 2967
<211> 2105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2106)...(1283)
<223> similar to gi5771388 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2967
```
tttttttttt ttatgtcatt cagcctttac tgtaaaaaag gaaacaataa aaacaaaacc       60
ctattaataa acacaatgca aacaatgccc gagattatca taaaaacata ctagcaagcc      120
```

1771

```
acaagtacca gagaggggtg aacaggcata tctgctagct ctcctcttgc agtcctcagc      180
ctcccacagg aggcacaagg tccaaactat tcctcaaaaa aaaggacagc ctctttatgc      240
tgaaatagga actttaaagg aagctcttct tgtagtccaa atggacgtac cttgtggtat      300
ggctgtaagg actcgatttt acggcttgtg tattcctaac tatagctagg cctgtcacct      360
gctgttcctg tgatctcagc tttacctaga agagctcctg aaacagaatg ggtacacgaa      420
aatctggaat gaatagctat ctgctcaaaa acgattgttt aaaaacagat gattggggcc      480
gggcgcggtg gctcatgcct gtaatcccag cactttggga ggccgaggcg ggcggatcac      540
gaggtgagga gatcgagacc atcctgggca acatggtgaa accccgtctc tactaaaaat      600
acaaaaatta gctgggcgtg gtgatgccag ccactcggga ggctgaggca ggagaatcgt      660
ttgaaccagg gagtcagagg ttgcagcgag ccgagactgc gccactgcac tccagcctgg      720
cgacagagcg agactccgtc tcagaacgaa caaagaaaca aacaaaccag atgactggga      780
gactgaagag gaaaaaagat gggagaaaac gtagggaaag gatggggcct cacagactca      840
gctgtgggtg ggggggtaaa tcattacctc aggagaagcc caaggaattg tccccgaggt      900
gagctttgga aagaaaacaa aaacaaaaac aaaaacacca aaaaacacct aaatttcctg      960
tattaaagtg acacataatc atgttttctg attctcttca ctgtctgcct gcggggaggg     1020
ggtggggaag gtgttaatga tgctgatccc tacttctgct tcaaggagat ctggtgggga     1080
attcttccac cagtccagag tttgctggtg ctgacctcat ccctgtatca cgggcctaga     1140
atgtgggagg ctaataggat gggtgggttg caggaggtag aagagggggat ggcctagaga     1200
gtttctccat tcagagctgg agagttgttg aagggaaggg tattttaaaa gggctccacc     1260
cacccctagc cccagccct cagctgtggg gagaggccac ctcctctgat ggggtctcga     1320
tgctgctgct ctgttcctgg tctggcacgt cctcctcttc ctgctccaag ctgaagttct     1380
cgagctcctg aaaaatctca tccatgaagt cctgggagtt ctgtttgtaa gacacagcta     1440
atcgaattgc atcattgaag agcttcacaa cattggtacc atcagcagcc gagacgaaat     1500
acagggcag ggagaacttc ttggcaaaat tgaagctttt ttgggtcacg tttatgtctg     1560
ctgtagagag aaggtaggac attggtctgt ctgtcaaggg aagggaagaa ggtttggagg     1620
ggggggccac tggaggcctt cattccagaa agtgggatag gcagggatga ttgggaaaca     1680
ggtcctagaa agagctcagt taatagggat ctgtgtcttg gaaagagggc aggtcggctt     1740
agctggcttc tttataaggt gggaagaatg caagcaacca accaagggtt gtatcttatc     1800
gtgggaggga ggaccaatca ctgaaggttg cctgcccggg gaatggagga ggaaatgtat     1860
gagggcaggt ccccagtgaa ttgctaacac ccaggtgcag ggatggcccc accatcaatt     1920
ttattggcca ccacgatgca tgggatctct ggcctgaact cccgaagctc tgtataccag     1980
gtgctcaggt tcctatgggt gactttcctc tggacatcaa acaccatgat gcaagcgtgg     2040
gtcttgtggt agtaggaggc atgcatgctc tggaaccgtt cctggcctgc cgtgtcccaa     2100
aagtc                                                                 2105
```

<210> 2968
<211> 1841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1842)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1188)...(264)
<223> similar to gi2749982 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2968

```
tttttttttt ttatctgtat gaaatattag ttttaataaa acagaaccag tccatgtatg      60
gaggcatggg cataaggtca acttgcacta aatgtaactc gtacgttttt tctaaaataa     120
tttcttgagc attgtggtgg ccttatgtac taacccgaag ctgaacttcc tgggaagctg     180
atccaatgga gcacttggaa ttcaggggtg gagtcttctt cctgggtcag agctggttca     240
gggtcacatg ctcttgaggt ccctaaaggc cacatgtgct gcatttcgcc cagcagctcc     300
catcacacct cctccaggat gagccccact tccacagaga tacaggccct ggagagggca     360
gcggtagcca gaatgcaggg gcacggggcg ggcgaagtag agctggtcca gggacatggc     420
gcagtggaat atgttccctc caggaagccc gaagattctc tccaaatctg gtggtgtgag     480
gatgtctctg ccaaccacag agtccttgaa gccaggggca tagacctcga tgcaatcaaa     540
cactgtggga aggcaggcca tccatggcat cttcaaaggc ctgatgaagg aggagggtgt     600
cttcacagtt caggtggatg gagcattggt gatggggcag cggctggccc ctgggagcat     660
tgggggccgc caggaagctg ggcagcctgt ctacggccac ttctgaccag gctgcagggg     720
gacacaggct ggaggtccgg gaatggagat gatgactgag ttcagctgcc cccagcctgg     780
aggtttctca ctcagatggg tcaaaggaga cagtgctgca atgtggtgtg cctcttacca     840
ttgatcttgg tgacaggcga ccgggtgtcc agctgagaga ttctctccag gaactcctca     900
ggaagccact cctgtggcgt cagcttcagg aaggtgatct gcggtgatgt gttggacagc     960
accattttgc ttctcacctc tgtgccatct tccagcacaa ctccttgaac acagccttca    1020
ctgttcacct gcaccttcgc cactgtcttt tcagtgaaga tgcttgctcc atgtgtggtg    1080
gctgagcttg cgatcgcatc agagagggca cccatgcccc cctggacgta gccccaggcc    1140
ccctgcattc cctccaggcc ccccatcaca tggtgcagca gcacatacct gtggacagac    1200
catccgactc agatcctgga ggtgggatct catctcccca gagttccagg tgcaactatt    1260
cctttccatc ttgatcttca gcccttccct gccaccatcc agccctctcc cagcagcctt    1320
caatgagctc aagttcttgt aagagccctt tgccttctct acaccctctc cctaacaagt    1380
gtgtctatgt gcatagctta ttaccacaaa gaaggcaacg atgcccaaac ctgcagctcc    1440
agccctctcc tgagctccag ctccggtgtc cagctaccca cagatatctc cctttggacc    1500
ctttcttggc agcatcttaa acccaccacc ttttccccat tctccagctg cttccccttc    1560
aatctttccc atcccagtga acggcacctt tcaacaggag gttctgtttc cgacagaaat    1620
ccaggtgtca gccttgaccg ctaccatcct tccccatcta catccacaaa gcaacaccaa    1680
ctcagcctcc aaagggcttt caaggtcatc ccacctctca gccactcttc tcttcattat    1740
gctgctgcag tagtgcccct cattggaccc cctctcccac gaattccncc gcnctgtcct    1800
agagtcatca gtgagggnct catttnnccn ncggggggcgc g                       1841
```


<210> 2969
<211> 3395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3398)...(630)
<223> similar to gi5911903 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2969

```
tttagttttg gatacacagt gcacttcatt ccaagagatc ttactagaga tccccgacag      60
tcagaagatt tcccgcttga tcaggatatt tctcgacgtg tgttattgct ttgcttgtca     120
cagttttcta gggaaactgg gtgtcagggt aacactccta ggctggcctc ccatgaggga     180
gttacctcta ggaggcggca ggagttttat ctggcactga aaacttgctg gttggttttc     240
```

1773

```
tagatccatg tttattttca gttcaaagac aaagtagaaa acttgagagt ggaaaatgtt     300
acctttagt tcacactcct aatcccttag tccccataaa ataaacattc taaagtgtaa     360
gcagtagaaa taatggaaac tccacagaaa cagaaataaa ttagtttctt tcagtcttgg     420
tggaggtcct tttgccgaac accatactcc actgtgaaca gaattcatct tgaacgaaga     480
agaaatcttt ggcctatttc accatgtctc cagcattgca taacagacat ttttcaaatt     540
cagtttcttc tccaactgca gcaaaaaggc aaagagtagt ctgtttcagg agtctgcatc     600
gggtcctgtg agagccttgt ccacttagaa caagccttta acttgttctg tttcggtatc     660
aagatctatg tcataaaagc agggccgggt gggcagtcct ggcatggtgc tcatcgttcc     720
gaccaaaggg taaatgaacc cagcgcctat gctggcccgg acgtcactga taggtaagat     780
gaagtccctt ggcacacctt ttttgtcagg ttggtgagat agagaaaggt gggtctttgc     840
catgcagatg ggcaaatttc caaaaccctg ttgagtgtaa cgatctattt tggcttgtgc     900
ctcaggagag agttcaatat cttttggctcc atagacagcc tgagcaatgg tccttatctt     960
gtccacaatt ggaacctgaa catcatacag gaactggaat cggcttcttt tactcgcagc    1020
ctctctcaca gcccgagcca agtccaccga tccttttcca ccaaccgacc agtgatagca    1080
ggggactgca tcaaaggcac cagcccgctt tgcaagctca cacaccaagt caatctcagc    1140
gcgggtgtcg gtcttgaaga cattcagagc caccacaacg ggaaccccaa agagctgagt    1200
gatctgaatt tgcttctgga ggttacagca gccgtctgcc accagctgga tgttctcctc    1260
tgtatattct ttcttaagag gaacaccagc cgttacactt ggcccgcctc catgcatctt    1320
cagagctcgc accgttgcca ctaacacaac cacgttgggc accaagccgg aagctcggca    1380
cttgatgttg aagaatttct ccattccgat gtcagcacca aagccagctt cggtcactac    1440
aaatccttct tcaccaacca gtttcagggc aattttatca gccaacactg aagagttgcc    1500
gtgagcaatg ttagcaaaag ggcccgcatg cacgaacaca ggtgtccctt ccagggtctg    1560
catcaggttt ggttttattg catctttcat caaaactgtc aaagcacctg tcacccccaa    1620
atcatctgct gtcacaggct gcccgctttt gtcactggcc accaccatcc ttcccagccg    1680
tgccttcatg tctgcgaggc tgtccgtcag ggccagcacc gccatgatct cgctggccac    1740
tgcgatgtca aactgcgcct gccggtaatg gcccttctct gtgtttccct gcccgatggt    1800
tatttttcgt agaaatcggt catttgtatc caatactctc tgccacgtga tggtagatgg    1860
gtcgatgtcg agacgggcaa atttactcac ttcctcttct gtcagtgtgc tcggatcagt    1920
cttatttatt cccagttttt ttagccgagc aagctgaatt tctgaaaatt ctctgacacc    1980
attcactaaa ggaaccagcc gattatacag agccttatct gtttgcgtgt tttcatgaag    2040
aatcctcgtg tcgatggcgg cagccagcaa gttattggca gcggtgatgg cgtggatgtc    2100
tccagtcaag tgaaggttga actcctccat ggggatgacc tgggcatatc caccacccgc    2160
ggctcctcct ttcactccaa acgtcggtcc ttgggaaggc tgcctcaagc aggcaaagga    2220
gttgacattc aggtgtgcgg tcagagcctg cacaagcccg atggtgactg tgctcttccc    2280
ttctccaaga ggggtgggtg tgatcccagc aactaagacg tattttccat ctgcttgatc    2340
ctttaacctt tctagcacgg acaaacgtac tttggctttg cttttgccat agatttcaat    2400
ttcatctgca agcaatccaa tctccttggc aaggacatcc acagcttttg gagtttgtcc    2460
tcttgaaatc tcaatgtcac ttggcacagg ggagagaggc tgaagtttca agcagtgaag    2520
tctccaccgc ctgtgctgct gttcacgaag ccatctcctt ccactactga ccatgttctg    2580
aattcgcaga gctgcagcaa ggagaatcac atcatcttcc tcaatgagtc caccaaaatg    2640
tattcttgga gagccacacc caaccttccc tgacaggaag tcatgggagc agttgagaac    2700
agtagttcct ggttgtatcc aagtaagggg aatctcttct ggcttaggtg agcctaggac    2760
cacaatgtca gcctcgtgaa gcttgctttg aagctggcgt gttttccact ggatgctcat    2820
tgtcatggac ccttttctct ggaacaggca ttgtagagca gcttccaaag acccatgggc    2880
ccccactacc aaaatcttct ttccatctag gttgacacct gatttttcaa gaagttcaat    2940
tacagctttg gcaacaggtg aaacaaaaca ttcatgggca tcccctcgca ccagcttccc    3000
caggtttatg tctgttactc catccacatc tttttctggt ttcaaggcat tgaggacttt    3060
gttgctaaac aagttctcag agatctgaag ggcaaggcca tgtactctgg tatcttcatt    3120
gatctttaag atttcatcta taatctcggc ttcactgcta tctggacgcg aggcaaactg    3180
tgagtgatgt tcagaccagc ctcctcagcc aaatctctgg ttgatttcct agcatcaagc    3240
ttgtccgtca cctcgcctgg ataacttgca acgaaccgcg cttgaagcgc agcagttttt    3300
ttcttgccaa taaactatag atacttcttt tgaattctga atgacttctc tgacgacgga    3360
gtcccgcgcc gcgggcgttc ggccgccggg gctgc                              3395
```

<210> 2970
<211> 1753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1714)...(1016)
<223> similar to gi1907152 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2970
```
tttttttttg gcttgttttt taaataaacc aaagtcaaaa acaaactgag agtgtgtcct      60
ccaacagctc ttcctactct ccttaggctt gccccgcgtg cccttcccac cccagcgcct     120
ctgctggacc aacggtgcag ttcgctccaa gaaggtgggc cagggcccgg ggaggtgcgc     180
aacacacccc tggcatgctg ggcttgcctg ctggagggtg ctgctgctcc gtggagggca     240
gcaggcccag gaaggggttt cctctgctcg cctaagttac agcacaatac tatgtggacg     300
tttcattgaa aattttactt gaaaaaataa aattccagat actcaggtga gacacaaacc     360
cactgttcct gctttgagac ctgtgaattc ttgtgggaca gttccactga cagcttgcgt     420
tcccgaggta ccagtcctca gtgacctcgg gaaccccaac cacttaggtc ccaaagccac     480
aagggtgccc tttgtcttgc tgggaagctg gctgagggcc tgccagggct ggaggaccag     540
ctctcccgca cagggttcag ggcctctccc agaaaaaaga ggttttgaag tgaaaaggca     600
acgaggggcc agagggctcc ccaggatggg tcttttggag gtagatttga tgcccacaac     660
gcatgcaagg ctaagacccc caacttagcc aacgaagccc atggcctcag aagggctgca     720
gcttgctcag gccgtgggcc aggatgcatg ctggacggtt ctccaaataa aaaagcccca     780
agggtttgtc tacactgctt acctgctggg gctgtgagtg gggagacggc ggcctgccta     840
gggctcctgg tgccaggctc aggaagagtc attcattgca aagggccggc aagtgaacca     900
gggccacctc tgtccccagc ctgtgagagg agcagctagc cctgagaagg gcaaggatga     960
atgaggctga ccacgtcaca ggagtcctcc aagagtgacg gggattcagt catcggccac    1020
aatggagagg gcccggagct cactgagttt ggcctcgttc tcccgctccc gctgctcatc    1080
ggagtggcct ggctggtcaa gctgatggga caggtctcca aagatcttgt gcatttccga    1140
gtagtacaca acctgagctc ggatgaggga ctcgaagctg ggctggaagt agtcgaggcg    1200
gctgccgtag aagcgcggca tctcctccag cagctgcctg ttcttggctt caaagtcctc    1260
ccgcacaggc cgcagctcct ctcgtgcctg gtggagcttg gccagcactg gccccgtctt    1320
ctccttttcc tcatacttct ccaccttggc ctgcagcctc ctgtagtcct gcaaggcctg    1380
ttcccgcctc ttcacagcca tgttgaggct cgggaagaca ctgccgaact tttttaaggg    1440
ctcgatcaca gtcttctgga tctggttcac cttttcctga ttgaaggcat ccatccgctt    1500
catggccgtg tccagggccg tcaccatgtt cagaaggtcc tggtcttgct cacagagggg    1560
attggagagt aagtccaagg atatcttcac ggcagatttt gacatggtgc tgaagttttc    1620
catactccct ttcaaagtct ctctccactg ttttgggcac aatctgtttc ttgggctgcc    1680
caatcttaaa aggaatccag ctcatggtcc cgaacctgcg tctgccgccg gggtcctcag    1740
ccacaactcg ttt                                                       1753
```

<210> 2971
<211> 1159
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(1160)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(440)
<223> similar to gi3650031 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

      <400> 2971
ctccctgacc ggtcccctg ccctaactcc tccctgaccc gttctccagc cctaactcct   60
ccctgaccag tcctcctgcc ctaagtctcc tccctgacca gtcctcctgc cctaagtctc   120
ctccctgacc agtcctcctg ccctaactcc tccctgacca gtcctcctgc cctaagtctc   180
ctccctgagt ggtcctcctg ccctaagtct cctccctgac cggtcctcct gccctaagtc   240
tcctccctga ccggtcctcc tgccctaagt ctcctccctg actggtcctc ctgccctaac   300
tcctccctga ctggcctcca tccaagcaga gcttgagtat tgctggttcc ctgctcaaac   360
ccaccactgg ttgctggttc cctgctcaaa cccaccactg gcactggctt cccatcacat   420
acagaataaa ggctaaatgt ctacacttgg cacagaaagt catcaacagg ccccagggca   480
cgtttctggt gttatcttct gctaatgccc tgccctgact cctatgctgc agctgaatgg   540
aacgagccat tatcccctca ggaacgctgg cttctcagta aacgattata gcccagaagc   600
cctgtcatca cagaacctag ctattggcta atgggtcagc tttggcttca tttctctgaa   660
taatttattt caaaacataa tcccaaggaa caaggttagg aaaaggggag ggtgacaggg   720
acagagggag agcctgtgca aagacgtgtt atccagttgg cccctgctgt ggctggctgg   780
ttgctcaatc ctgtaagatc ttctaagaag ctttatgaga tgtagtgaga accatctgtc   840
ctggggatga gtctgtctgt cggcttccat tcctcatggg ttatgagttg ctccacagga   900
ttctggatgt atacagatgc tcttcatctt aggaaggggt tacgtcccaa taaacacgtg   960
gtaagtcaaa aatactgtga cctggaagct ttctcctggc tgcgagttgt cccacgtttg   1020
cttggcgttg cccggccttt tccagactga accaatgttc atcttacatg tgttgattga   1080
tgtctcatgt ctccctaaaa cgtatgacca ccttggcaca tgtcgtcagg acatcctgag   1140
gctgtgtcac ggntgtgca   1159

      <210> 2972
      <211> 1249
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1250)...(323)
      <223> similar to gi5531811 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters

      <400> 2972
tttttttttt tttgtggaaa acaacacctt atttattcag ggtgtaatac tgtctacttc   60
ctttcagaag acttgaaaaa gatcaaaata ggataaatgg acagttacta ctaaacgatt   120
caaatacttg ggcagtatct ttccctctta accctttcac acgtttttaa agtgtcaaaa   180

```
ttgatgaatg  gtataaattc  aaaaggaaaa  ttcttttcta  ctgaaaagga  catccagctc    240
gcacaaacgg  tggttcagct  gaaggcaagg  cgtttctggt  tttcctctgc  actcgggcgg    300
atcgttaact  tccccaagtt  acaactgagt  tgctctttcc  aggcttttcg  aagcatcttt    360
aagtttcccc  accaagtcct  gtaattgttc  catgctgcaa  ctaaaactaa  tctctggata    420
ggatggggaa  tcagtgttct  gtacacttaa  ggtcaccaaa  tatgcaggtc  tgtacatcct    480
atgaagttga  ttggtcttta  tctgatattc  caagcgccaa  gaaacatccg  ttatatgagg    540
gagaaatctg  cctatactga  aagatgcaat  gataacttcg  tacatagtct  cctcagaaga    600
acttttcagt  tatttatatt  tactaagaat  ggctctactt  tccacccca   actccatttt    660
aatccattct  gaatttaaac  cattgttaaa  ctttattttt  aaattatgaa  tggtaaagga    720
gcatttcaaa  atcatctcaa  taaacgatct  ttaaaaacat  gagcttaact  tcaattgctt    780
gacatgccct  ttggctcctt  ttctttgggt  caagatcccg  aagatcttgt  ttcacaccaa    840
cactctccat  tcatacctgc  aagtgaaaag  tgcctcagct  tgacacctta  tacagtacct    900
accttcccag  taggatttct  agggaattct  tattatactg  atattccgtg  caaaacagtt    960
ctattcgctc  tctgtcaaat  ttacagtctt  ctagataagt  gcttagagtt  gacttgtcag   1020
ctcggtgctt  tcctgcctct  agtatgtaag  ttgcagctgc  tgcatgacaa  tgttttaaaa   1080
ccactgggtc  gatatgtttc  aagtctggat  gatctaacac  ggcctcgtcc  gcctgggcgt   1140
ccagcagact  ctggaatgcc  gcccggagga  gaagcgtgaa  ggcgttggag  tcgaaggagc   1200
ggggatccgc  cagcatctgg  aagcctttct  gcacagactc  cgagagctc              1249
```

```
            <400> 2973
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tgcaaagggc  tccctatgac  acaagccctg  gtggggccgg  ggtctggaag  cccccatgag    120
tgagcaggac  aggatggggc  tgggaactat  gcagcagcgg  caacacagaa  tcatgcaggg    180
cacagcgggc  actggccaca  cccaggtgac  catacattct  attgctcgtt  aagggttgcg    240
cacatggaca  atgtacaaaa  aggagaaata  ggtctttgcg  ttaatgaaaa  atacattttt    300
tctctacaaa  ggaatctttt  ctaatacaag  aaaataaata  ttgcaacata  agccaaaaat    360
aatttaaaat  tgctcttttc  aatatatttt  caatatttct  cttgtatatt  aacaaatggc    420
acatcacttt  ctttgaaaca  aagacagaag  gtgtctcctc  ctgtgacatt  catatcatcc    480
ccccaccgtc  ccctcaaact  gacgtggaac  acaaagtgtt  tgtgcctctg  agggagaaag    540
tggcaggagg  tgccttaaag  aacaaccaaa  ggtctcagac  tccagccctg  gctcattggc    600
caatgtggcc  agcgaggcca  agggcatggg  agagtgccct  ccccaagggc  cttgctatag    660
aaatccagat  catttttcag  tggtttgcat  atggacaaag  gttggccaca  tctggcagtt    720
agcaaggaaa  tgccaagttc  agccgctgcc  aatgttggtt  agaattgggc  agttgaatct    780
ctaggaattg  tcccagctag  tcccacagtg  tgcccataca  cagtatacac  aggcatgcct    840
```

```
gcatacggac acacgagacg tggcctggca cacccccac aaacaattca acatctatgt    900
ctggaaacct ggggtggctt ctccaaggaa gctgaggccc ttacattgca aatgctcaca    960
cactgtcact aagtcaggct catttaataa aataaaccct tctacctttc ttcttctcat   1020
ttgtttcaaa atacatttat gatacataaa aatacttttc ttgcacatta tcctttgtca   1080
tgtgatgagg gggaaggagg tggtgggcgg tcaggtcagt gagaaggggg acgatagcca   1140
gaatgagtta cagagcagct tctccttccc tgcggaggag ctgtgtgtgg aggcagatgt   1200
ggttgagaga aagatctacc tccacctctg acctggaaaa ggaacctgcc tcagtctcag   1260
ggacaagcaa agccctctac actggggaca gtagaccgga aaaagacaga agcggctgtg   1320
accaacaggg gaaaggctgg gaactggggg aggatgggtg gctggcatcc ttctccttgc   1380
agcctgctgg acatcctgga ggtggagaca gctgcctgaa gaagattgct ccagggcttg   1440
gcctgggagt gaaagggcac cccaaatgaa aggccacccc cctccctcg cagcagccag    1500
ccagcctaac agacatttgg gttctgcagg acacaggctc agcaacagtc cagtccaaag   1560
caacagccaa tgaagaaggg ccagaatcca gaggccaaca atgtgagcag aggctcttgg   1620
aagaacacca gccagcccga ggcaaggggc cagactcgtt gcaccctctc cctaattctc   1680
cacccacccc tgccaccagg gaggcccagc ccctgcccca ggatggtgtg aaggggcaag   1740
gggccaagtg ctgagactgc tggaccctgg gctttctggg accctggca gagtttggtt    1800
gttcttaag ctcacctctt tgcttcctgc agggtcagac cgggcaatct ggcacagaca    1860
gggttgcagc ccgaggtgac ccaaagcatg gggaaggaag aagttctgtt caaaggcagt   1920
aaacagagac tgggggttggg acactgatgc tgacactgac tggtcactac tacccaaggc   1980
gggcaggcag aactaaactc tacagggtag ctcatgccat cccaacgccc agaatccttg   2040
aagcccaccc cactccctcc gagtccaccc ggactagaca catttgtccg atcctctgaa   2100
ctgagtcatt atctttgttt cctgttttgc taaaattcac atgaaattga gtgtcgatga   2160
caatgccact gtcgtacctt gatagttttg gagttagggg tggatgaagg tcaagctgtt   2220
ccccatcctg cttatttgct ttatgtattt ggggaggagg gaaccacatg gtaaagacgt   2280
tttccatgct ggtttcaccg tcagtatctt tcccctctgt gagtctcaca gtttaggaaa   2340
gctcacagtg ggctcagccc aggatctgaa atctaacacc caggtacact tcagcagcag   2400
caaagcatcc tcttccaagc gcttgagctc ttctccttgg gtgtgtgcaa tgaacatgtt   2460
tctatacttt gttgctaaag aactccattt aaaaaaaagt ccaaatgaca agttgtcagg   2520
tccaggctgt gctgtattat ggtcaaaata ttctttggca tccacagaat gattcgactg   2580
attcactgga cttttttgcaa ggttcttttt ggagaagttc tggctttacc agtggtggaa   2640
gtgacccagg agtaattcat caaagaaaaa aaaatgtttt cacggaattc cttttttgtt   2700
gttccctgag ctatcaccct ggggccactc tactgaaact cttcagagca actacctggg   2760
acctaagggt ggggtggggga aggcaggacg gcggggggggg atggcaggac gggggggggg   2820
ggatggctgt gccaggggtt aaggctcagg aacaggggaa catccagcaa gacttacaac   2880
agccccagcg gccaacaccg gcccgccctg ggccccggga tcccactgct tgttggaagg   2940
aggagtttcc aaaaggaaac cacggaagaa gctcatcttg tagcaggact aggaaacttg   3000
aaaaggcaaa cggtctggtc tggtcagctc tgtctgagcg tgaccagact tcggccgaga   3060
ctggccccga aggaaggaag gaagttggag cctcagagtg attctctaca gtgggctggt   3120
ctgagcccca tgaccctgtc tgggcactgg ccctcccta cagccctcca cctgcactgg    3180
cagctggctg tttgggagtc ccctgagtaa atggcacagc tcaggaggga ttctgggaac   3240
cccttcccag agccgctggg ctgggcactg gcaggggcag agcagcaagg gaggggaggg   3300
tggcagggtg ggcaggcagg cctcagatga tacgggctga tcaggaacag ctttcagttc   3360
ccctggaact agcgggccct ctgcaccccc tcagtgcttt ctcatataaa ctcgttgtgc   3420
ttgtgacagt gagtagactc tggctgggta tcgtttatta tacttccttg gggatcggtg   3480
gagtgtagca ggaccccca aatggacccc agtgggatct ggggcaagg cggggtaggc    3540
cctggactgg cccatctgcc atgaaataat gcccaaacga cagtctgtgt cacccagtgg   3600
cagtgggctg gagtcctgag ctcttgtcca ccttgcttgc atctagccag gagcccagca   3660
ataccacgtg ggcagggcag ggatggtgcg cgggacctgg caggtccta gcggccggag    3720
ccgtggaagg aatcctaatg tcctaggcca gcacagagga aagacaacag tgtagaattc   3780
aaaactctct ctatattaaa aataaaacca cgacggagtg gcagcctcga gggtctggga   3840
cactcagcag agactggaaa tggcagttgt gactgggctg aggccttgtg gggggaccag   3900
ggcagggcct gggacaggga aggggggtgag ttaggaggcc agtacgccca tgcggaccac   3960
cctcctttgc ccctgcctcc cggggacccc gctgcacccc accgtcctcg gcctcttaca   4020
tcttgagttg ctcatctccc cattcagaga agtaagccat cagtctcagt gtcaaaatgc   4080
aggcttgacc ttgggcctct cagccacagc tgaaggtgg tccccatccc cagcatcagg    4140
cctgggcacc cgggcaatct ccggggttta ccttggctct cgcggggggtg ccggagccg    4200
gcccaaaggc ttagggcttg ctgcagggcc agggcacttg gacatctgag tcagcagcta   4260
```

                              1778

```
ctgaggctgc ctcgtccggg gtctcagggg ccagtggcgg ggggctttca ggggtggcta    4320
ggatgggaca gtccccggct gcagggctgg acggcaagtg agaagatgtc cgacgtggtg    4380
gcttcctggt aggtggccct tgaccccccct tgccactgcc tgcatcctgg ncccccaggtc    4440
ttcttggggg ctttgtctgg agtcgtccgt gaaccaggcc cgtcctgcgg tggtggtggt    4500
ggtggtttct tcttggcagg caggcgggtg cggcctcggg ccttcctagc agggtcacca    4560
ggtcgcagcg aggggtcccg catgaagctg agcagtgtct cctcgtcctg cagcagttcc    4620
tctgacagca gccctggagc agggtcctcg cggtgcccat tgttcagtgg ccactcgctc    4680
atggccatgt tctctgctgt gatctgcacc gactgtgcca gccagctgtt gaagaaggtg    4740
ccatcgatgg ggaatgaggt ggacaggcct gctcgacaca gatcctgttc aataagtttc    4800
atctgcaggt ggaatatctg ctcctggagt ttgcagatgg cgtgtttcgt tctctcgcgc    4860
cttgtcacca tgtagcacag atttctaacc ctctctaggt cctgccgcag atgggtgaag    4920
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gtcttggggg tcagcagcgg ctggttggca ttggctttcc tcttcagctt ccagtactgg    5040
tagatgaagt cgaccagtgc ctcagccagg tccagccgct cagccacctc agccggctcc    5100
accagctcgt agaagtcctc ctctagctgc tgcagccgct gcttgcgcag ggtcaccttt    5160
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ccccccgtcac tgtgctcctg gcagaatgac ttgaacttga cctcatcgtt gtctgctaat    5280
atagtccgca tttccaggcc gtggtcaaag gcgcatgtga catggaacgc tgtgaccgca    5340
ggaaggcatg gaacactgga tgcaggtgcc tgtgcattcc ttgcagaggc tgcaggacag    5400
agcccagcgg ctggctggga tatgcgagat cttggtgatg ggctccatct tctctgggca    5460
gccgatgctg acctcaggaa tccatagggc acagctgaca tgcacccact tggtcccact    5520
tctagtgggc ttcaaggctc ctcctcgctt ggggcagagc aggcactttg gctggacacc    5580
cagggcacac gtccggcaca gccagctgcc cgtgggcacc ttgaggatcc cgtagcatgc    5640
ctgatgcaca cagacgttgc actt                                           5664


        <210> 2974
        <211> 1336
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (75)...(1109)
        <223> similar to gi3170538 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



        <400> 2974
        ccaagctaga aggaaaggga atggggggca tgttagggaa ggggtggaga gcagggtctg     60
        gcaagtgact ggctcttgtc cctacagtgt gtactccact gggtctcgcc cgcatgttct    120
        ccgtcactgg gaagctgcta gtcaagcccc ggctgctgga agacctggag gagcagctgt    180
        actgctcagc ctttgaggag gcagccctga cccgcaggat ctgtaatcct acttcctgct    240
        ggctgccttt agacatggag ctgctacaca gacaggtcct ggctctgcag acacagaggg    300
        tcctgctggg tatgtggctt cgtagggctt gggatacctg ggtttcccca aggagagtag    360
        cccctggttc caggtgcttg ctgacagcct cccatccctg cacagagaag aggcggaagg    420
        cttcagcctg gcaacggaac ctgggctacc ccctggctat gctgtgcttg ctggtgctga    480
        cgggcctgtc tgtgctcatt gtggccatcc acatcctgga gctgctcatc gatgaggctg    540
        ccatgccccg aggcatgcag gtaccaggct gccctcccac catatccttt ggggagggcc    600
        taagaacagc tggggagagg aggcagaagc tgaggacagt gggaaggctg ggtgccgggt    660
        agtgctgatg gtggggaatg ctcacagtga tactgcccca ctcctcaggg tacctcctta    720
        ggccaggtct ccttctccaa gctgggctcc tttggtgccg tcattcaggt tgtactcatc    780
```

1779

```
ttttacctaa tggtgtcctc agttgtgggc ttctatagct ctccactctt ccggagcctg    840
cggcccagat ggcacgacac tgccatgacg cagataattg ggaactgtgt ctgtctcctg    900
gtcctaagct cagcacttcc tgtcttctct cgaaccctgg ggctcactcg ctttgacctg    960
ctgggtgact ttggacgctt caactggctg ggcaatttct acattgtgtt cctctacaac   1020
gcagcctttg caggcctcac cacactctgt ctggtgaaga ccttcactgc agctgtgcgg   1080
gcagagctga tccgggcctt tggtgagagg gagtgagggt gcaggctagt ggggggtggt   1140
aatcatctag gacactctgg aacatggatc accccagcag gggagagggt gtgcttcctg   1200
ctttgtgggt aacgtacctc atccacacat tctgtggctt ggctgcctgg tccctaacgg   1260
actggacctt tgacttgctt ttgactgccc atctcctctt ctccagggct ggacagactg   1320
ccgctgcccg tctccg                                                   1336
```


<210> 2975
<211> 1512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (249)...(1167)
<223> similar to gi3043548 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2975
```
ctgagagtga gaacagtaat acgttcagat ctaagagtgg gaaagatgcc agttttgagt     60
ctggagctgg ggataacacc agcatcaagg ataagtttga ggctgctggt ggagttgata    120
tagggtcttg gttctgtgct ggtaatgaaa acacaagtga ggacaaatct gcacctaagg    180
ctaaagccaa aaagtcatct gagtcaagag gcatatatcc gtacatggtc cctggggcag    240
gaatggggtc atgggatgga gccatgatct ggtcggaaac taagtttgca catcaaagtg    300
aggccagctt cccagttgaa gatgagtcca gaaaacaaac caggactggg gaaaaaactc    360
ggccctggtc ttgccgctgt aaacacgaag ctaatatgga tccacgagat cttgaaaaac    420
tcatttgcat gattgagatg actgaagatc cttctgttca tgaaatagcc aataatgctt    480
tatataacag tgctgattat tcttattctc atgaagttgt tcgtaatgta ggtggaattt    540
cagttattga aagcttgctc aataatccct accccagtgt taggcagaag gctttaaatg    600
cactgaataa tatctcagtg ggctgctgaa aaccatagga aggttaaaac ttacttaaac    660
caagtatgtg aagacactgt cacctatccc ttgaattcaa atgtgcagtt ggctggacta    720
aggttgataa ggcatctgac tattaccagt gaatatcagc atatggttac aaattatatt    780
tcagaatttc ttcgtttgtt aacggtgggg aagtgggaga aacttaaagg accctgtttt    840
tgggaatgct tttgaatttc tctaaaaatc catctatgac aaaagacttg ctcattgcca    900
atgcaccaac atcacctgat taacattttt agcaagaaag agacaaagga gaatattctt    960
aatgctcttt cactatttga aaatataaat taccatttta aagaagagc aaaagcattt   1020
accccaggga caaattcagt aaaaattccc tttatttcct attccaacga cctaaagcat   1080
gtgccaagaa acttcgagcc ttagcagcag aatgcaatga ccctgaggtg aaagagagag   1140
ttgagctatt aataagtaaa ctctgattgg ctgtatgttc ccaaacaaat ttgagtaata   1200
ttttggtttt gcactctgga agtaatgcac attgtaaatt gcattataac tttgaaactg   1260
atgttaccta tgatggtcta tagctggaac catttaatgg aacaccaaat gaattcaagc   1320
ttgtactaaa aatacatgtg ttgatttta tcttgtctgg attgagatat ttttagtatg   1380
cttcatgagc agaaactgaa tggattcttc ataagtaagg taatctttgg tcctttgtgt   1440
ggacttatgt ttatacattt aagactattt ttatgtcatc aataaagttg tgtgttttaa   1500
gcagcagaaa aa                                                       1512
```

1780
```

<210> 2976
<211> 1318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1321)...(0)
<223> similar to gi4098124 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2976
```
tttttttttt ttgtttgcag cacaatttat tatctggcca tagtatttgg gtacattatc    60
aggtaccgat ttaacaccat gtaacctctc ttgacacaga gcaacccaaa aagaaaactt   120
taaaatgtgc gacagaatta aatatcaagc tttgtcatct aaaatcgtat aaatataaaa   180
tatcagtcat ttctggaaac atcttaagaa aatccggcaa ccacatgtcc attgagtagg   240
tgtctgatgt tgacggtgct tacattcagg acatatcacc tcagatccaa cacaattatt   300
tttattgtct tttaccaaca catgtttgca ttatactgaa cagcctgggc tccttggtgt   360
gtggatgaaa gccctttttt ttacaagcag aaacctcaag catgccagca ttggtgagcc   420
tgaagatgcc agtgtcttta tgctttggtg agcaaacaat ggcaatggcc tctggcaaca   480
tgagttgata ggaacagtga gtgtgaagat caacgctgga taaaaatgca gtttgagtgg   540
gatgtgtatg gatccatcct agagtgagga gatcatgttg atcctgaaca ttgaataatt   600
cctctacatt ctccatgtca caatagtctg gtcccgcaga ctgctttggc acaattacat   660
gggtaatagt aaattcatta tgtgtcagtt ttccacagag tattccacag gtttctattc   720
ctctcactgt attagattct gccagttgca gaaatttgtg gcaaagatct tctggcaaaa   780
ctacacatcg cagtccttca accactaaat tctgaacagc acttagagta gcagcttgcg   840
tttaagccct gtttacaggg aggagagtgg ctagcataat tggtgccatc acttttatta   900
ggttgatctg caaatacatt cagcaaggaa ttgttctggt gtgtggaaaa gcaggacaaa   960
gtgctcccat caatctgctc tgacagccct gaggtttgct gacttcgcat ttgacctcgg  1020
gctaactctt gcttcttgag ttgatcttcg aaaaacagaa actgctccga ttctagctgc  1080
tgctggcgca tctgagcaat ccgcttcctt tctgcctcta tcaatctctg atgctccaat  1140
tttttgagaa tttcagcttt atatttgttt ttgctttgca aatattcttg gtattctacg  1200
ttatatttct ttaaaaggtc gtttttcaat tcatctgtcc ttgggaatgc aatctccttc  1260
agtttcttca taatatcctg cttttcaggt actgcacatt gctggtaatc ctcgtgcc    1318
```


<210> 2977
<211> 3593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2183)
<223> similar to gi5759129 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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atgagcctct ccatgagaga tccggtcatt cctgggacaa gcatggccta ccatccgttc      60
ctacctcacc gggcgccgga cttcgccatg agcgcggtgc tgggtcacca gccgccgttc     120
ttccccgcgc tgacgctgcc tcccaacggc gcggcggcgc tctcgctgcc gggcgccctg     180
gccaagccga tcatggatca attggtgggg gcggccgaga ccggcatccc gttctcctcc     240
ctggggcccc aggcgcatct gaggcctttg aagaccatgg agcccgaaga agaggtggag     300
gacgacccca aggtgcacct ggaggctaaa gaactttggg atcagtttca caagcggggc     360
accgagatgg tcattaccaa gtcgggaagg cgaatgtttc ctccatttaa agtgagatgt     420
tctgggctgg ataaaaaagc caaatacatt ttattgatgg acattatagc tgctgatgac     480
tgtcgttata aatttcacaa ttctcggtgg atggtggctg gtaaggccga ccccgaaatg     540
ccaaagagga tgtacattca cccggacagc cccgctactg gggaacagtg gatgtccaaa     600
gtcgtcactt ccacaaaact gaaactcacc aacaacattt cagacaaaca tggatttact     660
atattgaact ccatgcacaa ataccagccc cggttccaca ttgtaagagc caatgacatc     720
ttgaaactcc cttatagtac atttcggaca tacttgttcc ccgaaactga attcatcgct     780
gtgactgcat accagaatga taagataacc cagttaaaaa tagacaacaa ccctttttgca     840
aaaggtttcc gggacactgg aaatggccga agagaaaaaa gaaaacagct caccctgcag     900
tccatgaggg tgtttgatga aagacacaaa aaggagaatg ggacctctga tgagtcctcc     960
agtgaacaag cagctttcaa ctgcttcgcc ccaggcttct tctccagccg cctccactgt    1020
aaaggacatc gaacctcaaa gattttatgt cccagccgag ggtgaagagc gacgcccgag    1080
gccgagagca aagaggagca tggccccgca gcctgtcgac gcgggccaag atctcccccc    1140
acccacgtcg gaggagccct gccgtgacaa gggcagcccc cgcggtcaag gctcaccttt    1200
tcgctgctga gcggccccgg gacagcgggc ggctggacaa agcgtcgccc gactcacgcc    1260
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gaggccttcg cgccgctcac ggtgcagacg gacgcggccg ccgcgcacct ggcccagggc    1440
cccctgcctg gcctcggctt cgccccgggc ctggcgggcc aacagttctt caacgggcac    1500
ccgctcttcc tgcacccccag ccagtttgcc atggggggcg ccttctccag catggcggcc    1560
gctggcatgg gtcccctcct ggccacggtt tctggggcct ccaccggtgt ctcgggcctg    1620
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ttgcgctaca gcccctactc catcccggtg ccggtcccgg acggcagcag tctgctcacc    1920
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gccgccagcc cggcctcggg tggcagtgga ctcgggctct gaactcaaca gccgctcctc    2040
cagcgctctc ctccagctcc atgtccttgt cgcccaaact ctgcgcggag aaagaggcgg    2100
ccaccagcga actgcagagc atccagcggt tggttagcgg cttggaagcc aagccggaca    2160
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gcagattaaa aactttatag ggacttgcat tatcggttct caataaatta ctgagcagct    2700
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taatgtattt gtggttttta ttttgaacgc ttgcttttag agagaaaaca atatagcccc    2880
ctacccttttt cccaatcctt tgccctcaaa tcagtgaccc aggggagggg gggatttaaa    2940
gggaaggagt gggcaaaaca cataaaatga atttattata tctaagctct gtagcaggat    3000
tcatgtcgtt ctttgacagt tctttctctt tcctgtatat gcaataacaa ggttttaaaa    3060
aaataataaa gaagtgagac tattagacaa agtatttatg taattatttg ataactcttg    3120
ttaaataggt gggaatatga atgcttggaa aattaaactt taatttattg acattgtaca    3180
```

```
tagctctgtg taaatagaat tgccaactgt caggttttgt gttcttgttt tcctttagtt      3240
gggtttattt ccaggtcaca gaattgctgt taacactaga aaacacactt cctgcaccaa      3300
caccaatacc cctttcaaaa gagttgtctg caacattttt gttttctttt ttaatgtcca      3360
aaagtggggg gaaagtgcta tttcctattt tcaccaaaat tgggggggaag ggagtgccac     3420
ttttccaggc ttccactttc aaattcctta aaatataact gagattgctg tggggaggga      3480
ggagggcaga ggctgcggtt tgactttta attttctttt tgttatttgt atttgctagt      3540
ctctgatttc ctcaaaacga agtggaattt actactgttg tcagttgaaa cag            3593
```

```
          <210> 2978
          <211> 3031
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(3032)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (239)...(407)
          <223> similar to gi3878119 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

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          <400> 2978
ttttaatgag agtattgtgg tagacatgaa aagcggcttc aatctggaag aactggaaaa        60
gaacaatgca cagagcataa gaggtgagaa ttgtgtgtcg ctgctgtctt catcagctga       120
caggccagtg gagctcttac ctgtttacat gggcttgctt tctttcccag ccatcaaggg       180
ccctcatttg gccaatagca tccttttcca gtcttccggt ctgacaaatg gaataataga       240
agaaaaggac atacatgaag aattgccaaa acggaaagaa aggaagcagg aggagaggga       300
ggatgacaaa gacagtgacc aggaaactgt tgatgaagaa gttgatgaaa acagctcagg       360
catgtttgct gcagaagaga caggggaggc actgtctgag gagactacag caggtgaaca       420
gtctacaagg tcttttatct tggataaaat cattgaagag gatgatgctt atgacttcag       480
tacagattat gtgtaacaga acaatggctt tttatgattt ttttttttaa cattttaagc       540
agactgctaa actgttctct gtataagtta tggtatgcat gagctgtgta aattttgtga       600
atatgtatta tattaaaacc aggcaacttg gaatccctaa attctgtaaa aagacaattc       660
atctcattgt gagtggaagt agttatctgg aataaaaaaa gaagatacct attgaaaaat       720
gtaagtttta tttacagatc aggccacagg ttacaaaatt aaaaccaaca gcagtttga       780
attatctgta ccagctagct gaactagcca tatcagttct tctttccagt cattcagcat       840
tgtagtaaga aaacacttgg taaggcagat ggagacatat ttatagtcta tagtctgtct       900
gggaagctga ctgccagaca gggcagtttg tcatctttac ctagctgaca catctttttc       960
catggcttgc taccgatagg cattgaagcc tagcaactgt tacttcccac gcatgctatc      1020
ttccaggact tcctgagaaa tgcttgctta cagttcaaat tctgtttcac tttatgtttg      1080
agatctcggt atatcttcgg attaggttga atttgcctgt tgggtctgga atataccatt      1140
tttcccaaac atcagtatat gaagcagtcc ttccccatgg cttcaaatgt ccattccaat      1200
ggagtaactt ggcagccttt acaaactgag gtgaatatcg ttttccagca ctggaaccaa      1260
ggtggcggac attccacata ggatcgatgg tagagtgctg ttgataaaat acgataagca      1320
gaggaggtgt tgtgatgcta ccagccaggg ttctgctata cagtccctct cttggtggga      1380
cagaaaacaa atgtttgtta gtgaaaagta ctgactaact cctgttagtc aagactctag      1440
gaattgaaat acaacagttt ttcacagcta ggccagttac atacttactc tacattgagt      1500
```
```
                                  1783
```

```
ttcatccatt tttccagttg gttagttata ttctgtcgtt tccattccgt caggtttgca   1560
acaaaaactc caggattaaa tgagcaagtg ctggctttca tggaaagctt acgaattctt   1620
tccttttat  agtcaagata gccaatgtaa ttgtactggt ttcctgctcc acggatgaca   1680
actttagtag aggctgaatc acaatcttct gaaaatgcag ctgcatgtcc tggcttcagt   1740
gctgtattgt aaagggcaag aatatcacct tgcacaatta catcatcatc catgtatatg   1800
gccttctttg cgctgggaac cagaattggc aagtagaacc ttgcaaaggt taaaggtttc   1860
atggattccc cctggtcagg atcctccttt acttttcctt ccaaaagttt agggtcaaaa   1920
ttgacaattt tgtatctgat gcttttcagg gaatcactgt tgagccagga ccggagatgg   1980
tctgctgtat tgttgagagt aacaatgtag aaaatcacat tggagcgagt gttgtgctga   2040
atgctgttta tagctgcaat ggcccccca  agcctgtctt cagatgcagc gatgaccaca   2100
ggaatctcct cttgtctccc atctactgca tgtcggagag catttgggac aaagtctata   2160
ggttgaggcc ctacaattcc tgaatctgta acctcattcc ttaacaaact gctcaagctg   2220
aggaagttat ggtgcaaaac cagtaagaag agagcaacag ccaggaccaa gatgatgatg   2280
tttactttac ggaatgacat ctttttcttc tgtcatataa atattagttt ttaacccctt   2340
tcatctggct ggctccccac ttggcattca aaggtcaagg tagcctcctc ccaaactccc   2400
acgttgagct gcacctcccc tgagctccca catctgggcc tccctctccc cagggctaat   2460
ccagctgtca tgtatttctg gcgtgatgtg gctgtctccc ttgacacgct ctgggctctt   2520
ccaaggcaac agcctggtct tggtaacaac cgtgtcctcg gtctgctgta ctttgaagtg   2580
atcggaaagt gatgtgacgc tccggggatc ccaccaggct cagagacacc cctggttagg   2640
gctccgacaa gtcgttcccc tcaaaggctc gccgcggccg cccttactgc aggcgatgga   2700
ggagatgcgg atgcagcccg cgccccgacc cgccctgcca gctcagcgcc cgcgccgcag   2760
gccccggagc ccagcccgtt gtctggccgc ccgcgttccc tgcacgctgg gccgagcaca   2820
cttgccctct agctccgtgg cagccgcgca gccccactac gcccagccag cccgcagcgg   2880
taaccgctag agcgtcgcgc caagcaggcg cgcggggcag ccctgccgcc ggggtcctcg   2940
caggaaaaaa ggccgtcgcc atggagacgc ggggggccgg cggcgnttgg cgccanagaa   3000
tactgtcaag gacagttttc gggacggggg a                                   3031
```

        <210> 2979
        <211> 5268
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (409)...(289)
        <223> similar to gi3002527 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

        <400> 2979
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cggaatacta aaaggtccag ggcagaaccc tgagaaagat taacatcttg gggatgagca     60
aaggagaagc cagagtagtg gaaaggaaat gacgagaacg tagtattttc ttttttttctg    120
agacggagtc tcgctctgtc gcccaggctg gagtgcagtg gcgcgatctc cgctcactgc     180
aagctccgcc tcccgggctc acgccattct cctgcctcag cctcccaagt agctgggact     240
acaggtgccc gccacctcgc ccggctaatg ttttctattt ttagtagaga tggggtttca     300
ccatgttggc caggatggtc tcgctctcct gacctcgtga tcccccgacc tcagcctccc     360
aaagtgctgg gattacaggc gtgagcccct ggagattttt tttttttttt tttgagatgg     420
agtctcgctc tgtcgcccag gctggactgc ggactgcagt ggcgcaatct cggctcactg     480
caagctccgc ctcccgggtt cacgccattc tcctgcctca gcctcccgag tagctgggac     540
tacaggcgcc cgccaccgcg cccggctaat tttttgtatt tttagtagag acggggtttc     600
accgtgttag ccaggatggt ctcgatctcc tgacctcatg atccacccgc ctcggcctcc     660
```

```
caaagtgctg ggattacagg cgtgagccac cgcacctggc cagcgtttat ctttaaatgt    720
gccttggacc tggcccctgg ctctttggga gggagagtcc ttggcaggcc ccgttgcctc    780
caccccacca gtgcaccttg gctcctggtc actgcccacc ctccctgccc gggcaggaat    840
tcttacaggc cctacactcc tgaagggaaa tcaggctggt cctggggcag gcagcctctc    900
agagctgttg agaattgagc aatctccttg tgctctttca agctgttctt ttctttggtt    960
cacactgagc aagggctggt tgctccgata gggagaagac gtgaggagtg gcatttactg   1020
tgattgagca cagggcctgt ggactctccc attcacgcag ccacatttcc caaaaagaag   1080
tggtcctgct ccccacccc cgacccccac tgcagcgcca cctgccttta tctgtacttg   1140
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ttcacctgct gcactcagag gccgtttact tgaggtttga tatttatctc caaaggaagg   1260
gctgccccga ctggcctgga ccctccaggg agttcagcaa gccggaaatg cgtgtctgct   1320
gctctcctgg cccctgggcc acctgcttct gtggccctgg gattggggag ccagggctga   1380
gggcctgtag ggcccctgt ctgtgcctct agaggccctg agccacctcc tgcagtgttt   1440
tagatcccat aagcaagaga cagaattgtg catggatggt gagaaaacat gaagctтттт   1500
atttgtaaac agaaaatggc agggctcact gtgtggggct ggggacagcg ctaggcctgc   1560
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cagcctcctg aatagctgag attacaggca catgctacca tgcccagcta atttttgtag   2160
ttttagtaga gacggtgata tggtttggct gtgtccccac cccaatctca acttgaattg   2220
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gctggtcttt tctgtgctat tctcgtgata gtgagtaagt ctcatgcgat ctgataggtt   2340
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catggatgca cacatcagta ccatgggcac acacacatgc acccactccc gatggcttcg   2940
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gaacagggca gagtcacgag tgatgcaagg gtggggtgtg gaggccttgc ctagaggcag   3180
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acaagggcag gctgtggccg tcactctggc cagctgctcg ggggcttggt ggctgctggg   3960
tggtcgcctg gactctgccc tcctgtctcc tggtgtcccg gaggggcctt gctgggctgg   4020
gccctccacc gccccattgg gcgcctgact ctcagggcgc agtcagttct ttggggatgg   4080
```

1785

```
ccctgatctc tgagcgggac tgcctctggc ctttcttctg catcccctac tgaacagcag    4140
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gagaccaccc tctgatgacg gtgggcgtcc tttccagccc ctctcggggc atcgcttcat    4260
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cactgggcgt ggcccagccc cacagacaga acagttcttt cttccttatt ttatttttta    4620
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gcgattctcc cacctcagcc ttccaaagca ctgggattac agcagtgagc cagtgtgccc    4740
agcctcttcc taagtttaca ccagtgtggg catccagtga ggggaactgg cctgtgatgc    4800
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ttgggcccca cccccagccc tccactcctc agctactcag gagaagcgcg aggcatgggt    4920
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cgggcgcggt ggctcacgcc tgtaatccca gcactttggg aggccgaggc gggcggatca    5040
cgaggtcagg agatcgagac catcctggct aacacagtga aacccgtct ctactaaaaa    5100
tacaaaaaat tagccgggcg tggtggcggg cgcctgtagt cccagctact gggaggctg    5160
aggcaggaga atggcgtgaa cccgggaggc ggagcttgca gtgagccgag atcccgccac    5220
tgcactccag cctgggcgac agagcgagac tccatctcaa aaaaaaaa                 5268


                <210> 2980
                <211> 5654
                <212> DNA
                <213> Homo sapiens

                <220>
                <221> misc_feature
                <222> (1)...(1110)
                <223> similar to gi4589530 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters




                <400> 2980
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        acctacgaca ctctccggtt tgctgagttt gaagattttc ctgagacctc agagcccgtt     120
        tggatactgg gtagaaaata cagcattttc acagaaaagg acgagatctt gtctgatgtg     180
        gcatctagac tttggtttac atacaggaaa aactttccag ccattggggg gacaggcccc     240
        acctcggaca caggctgggg ctgcatgctg cggtgtggac agatgatctt tgcccaagcc     300
        ctggtgtgcc ggcacctagg ccgagattgg aggtggacac aaaggaagag gcagccagac     360
        agctacttca gcgtcctcaa cgcattcatc gacaggaagg acagttacta ctccattcac     420
        cagatagcgc aaatgggagt tggcgaaggc aagtccatag gccagtggta cgggcccaac     480
        actgtcgccc aggtcctgaa gaagcttgct gtcttcgata cgtggagctc cttggcggtc     540
        cacattgcaa tggacaacac tgttgtgatg gaggaaatca gaaggttgtg caggaccagc     600
        gttccctgtg caggcgccac tgcgtttcct gcagattccg accggcactg caacggattc     660
        cctgccggag ctgaggtcac caacaggccg tcgccatgga gtcccctggt acttctcatt     720
        cccctgcgcc tggggctcac ggacatcaac gaggcctacg tggagacgct gaagcactgc     780
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        gtggagccca ctgatggctg cttcatcccg gacgagagct tccactgcca gcacccgccg     960
        tgccgcatga gcatcgcgga gcttgacccg tccatcgctg tggtacgtgg cggccacctg    1020
```

```
agcacacagg catttggtgc tgaatgctgt ttgggaatga cgaggaaaac tttcggattt    1080
ttgcgttttt ttttcagcat gttgggataa gtactgtgtt cacgtggttg ggaatctgaa    1140
gggtataaga gccggaactg tgtccttgca ccctcacgtc cctcccccag gcaccacctc    1200
ctgtgcagcc ttcatggcct tcgagtggcc cagagagcgt gtgtctggat gtgagcgtgt    1260
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acctacattt aaacacacgg gcggcccctc cacccacccc tgcaccacct tcgtcacacc    1380
cacatttaaa cacgggcggc ccctccaccc acccactcct gcaccacctt ttgttttccg    1440
gaggctctga cttgacctct ctgggggatt tcctaagaag gagcttccct gtttttccat    1500
tttgattacc tagttgtgat ttttggtgtg tgatttatgc agacctgcct gccctcaaat    1560
atatttgatg gggaaagagg ccaaaaaacc cccctagaaa tcatgaatga cggtgacatg    1620
ctcagggaag cagttaaccg aatcgggggc tctgttgtgg atgctccgcc ccatttagga    1680
ggaagaaggc agatctgggc ctgaaatggg acggtctctg agctgtggcg cagcccccaga   1740
gtgcacacca cgctccatgc acctcctggg cagggtggca gtagtgggga acatgggctg    1800
gagctctgtg gctcacactt tttgtttgtt tgtttgtttt tgagacggag tctcactctg    1860
tcgcccaggc tggagtgcag tggcgcgatc tcggctcact gcaagctccg cctcccaggt    1920
tcacgccatt ctcctgcctc agcctctgga ttagctggga ctacaggcac ccgccaccac    1980
gcctggctaa ttttctgtat ttttaataga cacgggtttt cactgtgtta gccaggatgg    2040
tcttgatctc ctgacctcat gatccaccca cctcggcctc ccaaagtgct gggattacag    2100
gcgtgagcca ctgcgcgcag cctggcgcac acttcttacc agaacctagt cacgaattcc    2160
tcgtcgaact agaattaggt atgtttgtta ctgtaaacgc agcttggtgg cttacagtga    2220
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gcgtgaacgt tgagttgaga ccaaaggggc cacctggtgg gataactgtc ctcacccgtg    2340
aggaggagga atgtcccctg tccccggggg agagtgctcc tacaccagcg ccgaggcggc    2400
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ggtgaggttt gagagatgca caccacgtaa catctcgtgg gcgaatcaag gcacagcaac    2820
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gatgggggtg tcgtgttctg ctcatcgtca tttcgtttta ggggtttttc tgtaagactg    3060
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acatgcaggc tctgtggtga cgcagtcctg ggtgggggac tggttcactt gggcaccact    3540
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ctcgtgcagt gaagtgagtg gccgtgagcg cgtcctcctc atctctgtct ccctgtggga    3660
aactctacaa acaaggcaat ggcaatggaa ccactcctga tgaccacgag ggtcagacgc    3720
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cctgctcctc ttctctgctc cctccccccca tattcgcagg tctgcacaac ccccggacct    3840
gttcacaccc gcatggggac agctgtctgt gggctgcaga gcaggcactg ctcagtctgc    3900
cccacgccaa gggcccttga ctcacaccca ggtggcccac ccaagatgcc tgatgcgcta    3960
tgtcctgttc cttctagatt cttctgatgt agagcgactg gaaagattct tcgactcaga    4020
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agagcctggg gctcctggtg ccgctgcgtt tcatccatcc cgcccgctcg cctgccgagg    4140
gctgcgcccc gtgctgcctc cccccagagg gccacccgct gtgctcgtgg actgaggctg    4200
cgctgcccgg gaggccttac tgcttggtgt cagactgccc agctcagagt gcccgtcagg    4260
gcctgtgcat ccgcacgcgg agccgtctgt taggagcttc cagagcgttc tctcgacact    4320
gccagccccg tgttagcacc tgggcctcag tcccacttgc tcccaggcgc cggttctgtg    4380
gttggtttgg aattaaagtc ctgtttgaag ttgtcagaca cagacatgaa tttctggggc    4440
```

1787

```
gctccctgag tcagtctcag aagacctgtg caggctggcg tgagaggagc ggcagccaca    4500
ctgcggcccc acgcccaagg actgggctgc tctcgagggg ggcgcgccca ccgctgtgtc    4560
ctctctgccc agcctggctt accaagggct acctcagtgg gagatgaggt tggaggaacg    4620
aaggcgaggt tcctccttgc tttgggggaga aaagtattca ggaagtgggt gtgtgggaaa    4680
cctgaagatg gcgtgcacag gacacagcgt ggtcggcctg ggcagaaggg cggctggctg    4740
tcctggagct gctgctggag cctgccctca gagtgtccct ttccagtgct gtggcattct    4800
gtggcagctt ccccaggtgt ggtgacgggg gggggcgggg gcctccacct gtgacagcca    4860
ggcttgaggg tggacggcgt gcctctccca ggagccttcc ccatgtcctt gccttgctga    4920
gaattgccct cccatgccgc tgaggtgtta ggtggtttag ggccaaaagg ggaaaaccac    4980
ttgagtcttg tggtgtgtgg tgggcagaca ccacagggtg gcatcacctg gtggcatttc    5040
cagaacctca gccccgattc cagcacccac caccgcctga ccctgtgtaa cctgctgtcc    5100
cgggtcccag agtgcactct gccccactgc tctgctgcct gtcctgggaa agtagctttg    5160
ccccactagg aaatgtaaac aggagggctt ggggagcgtg ggcacttttc tcatgagcag    5220
ctactgcggc gttggcagga ctcgctgctg ctgctgctgc tgcttgtgta ggtcggggag    5280
ccggagatcc ccgaggacgc gcgccggaca gtcggcactg accggcccac ctggtagcag    5340
aggacacccc cagcccccca agcattgaag acatagtgta tttcctcgta tcctttctcc    5400
cttgggtgta gttggggtgg ggaagcaggg aaggctggtg cgatctccat tccttgggct    5460
ccgcgtccga gttcatggtg cgccgctgtg ctgggagctg cagtgggaat gtgtgggaca    5520
ccttgaccaa aggggagctt tgtctcgtgt gttttgaaaa aggcttaatg aagagaatgt    5580
tgttcattct tagtagtata gtttgcaatt cttaatggca aataataagt ttcagtagaa    5640
acccaaaaaa aaaa                                                        5654
```

<210> 2981
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(353)
<223> similar to gi1619936 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 2981
```
ggcacgagga aggctcaata ttgtcaaggt gtctcttttt cccaacttga tcaatagagt     60
caacataatc ctgattaaaa tcctagcagt tggtttcttg gatattgaaa actgactcta    120
aagcttatat agaaaaagac ccagaatagc taacacagta ttaaaagagg aacaaagctg    180
gaggactgat accactcagt ttgaagtttt gctataaagc tacagtaatc aagacaatgt    240
catattggtg aaagaacaga catatgggtc agtggaacag agaacccaga aatagaccca    300
cacaaataca atcaactgat ttttaacaaa ggggcaaagg taattcagta gag           353
```


<210> 2982
<211> 1956
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (2)...(519)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 2982
tttttttttt ttgagacaga gtctcactct gttgccccgg ctggagtgca gcggcgtgat      60
ctcagctcac tgcaacctcc gcctcccaag ttcaagcgat tgtcctgcct cagcttccca     120
agtggctggg attacaggcg cccaccacta tgcccagcta attttttgta ttttttagtac    180
agacggggtt tcaccatgtt ggtcaggctg gtctcgaact cctgacctca tgatttgcct     240
gcctttgcct cccaaagtgc tgggattaca ggcgtgagcc actgggccca gcctaattta     300
ttacttttta agcgatagcc gtactgagcc gcccctgaa ggcggctgcc aggtcttgcc      360
ccaggcacct gggactctgt ttgcaggccc tgccctctgg gctgagaagg atgcactttg     420
gacaagtcat ctgtgtttgt gttttccagt ttttctgtac tttttaagtg ttttgtgtta     480
cctggtctca ttcccctccc cacacctacc catttgaggg gatggagttg aagtcacctg     540
gtcacctgta ccggcccagt tcggctacaa cctggagtgt ccgtaaacaa ttcctctcac     600
ccacaaaaca atgtaatccc agcgatggac tggattctga aggccacttc ccaccatcat     660
agctgccatg cccaggcagt gcctgctcta tatatagagt ctgcctccaa tcctgctggc     720
ttcagcctgg agaagggata tgggagctgg agctttgatg gatgaatagg tgttcaccgg     780
atctgggcag aggggtcatc cgctccccag gtgggcactg ataaaggaag gtacaggcct     840
cacctggaac tgccaaggca gcctccagaa atgctcggct gtctcggggc acgctccagt     900
atgccagtcc tgcgggatta cgtccagcta cttccagaaa cactcagtgt cccctcccct     960
caggctctgc cttggcctgg ccttgtccag tctaccctgg acaagatgcc gtgtgtttga    1020
ggcccagcag agtaagccct tggccgtgat gtgtctgaaa cacctgttag gggttccctc    1080
catatgtcag agcctctctg ggatgaagtt caagccagaa aacccagtcg aggctcaagt    1140
ttgaatttca gcttcactgt gtggctctgg gaaaatggct ttcccactct gtgcctcagt    1200
ttccttgtgt ttacaagact aatcccattg actgtttatt aagcacctac tgtgtgccaa    1260
gcgcttttac gtggcttctc cctcagccag ccttgagaag gctggaggtg gtgtcatcac    1320
ctccattta cagacaaagc agctgagacc ccagcgaggg gcggagacct gtcccacgat     1380
cacccagcag gagtcgtggc agaacggagc atcagccaga ccctgttgtg ggcgttgtca    1440
tcaagggagc ttgaatggag ggtctggtgt cagatacagc cgactccagc cccagctcat    1500
cccccatgat gctgtgtgac ccactgggca ctctggtgag ggagctttcc agacatcaac    1560
agcccactct gcttcccttt ctgagtcccc tgtccagcac tgcctagtgt tggagggtag    1620
accaaggctg tgcatgattc accccctcct tccatcctgg agctggcagt gaataaaagc    1680
ccgtatttac aaaaaaaaaa aaaagggggg cccgtttaaa agaacccttg gggggcccaa    1740
atttaacgcg ggctggcaag gaaaaatttt tctccttaag gggggccgta taaaaacctg    1800
ggcccggccc gtgttttaac aacgccgaaa ggggaaaatc tcttacctgg gaattttgga    1860
aaagaaccct tattttgggg ggggaacata gtggcccaac ctccctccaa aaattaaagg    1920
ctttagggaa aaaaaaaatt tttaaggggt ataggg                             1956



<210> 2983
<211> 3390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(3214)
<223> similar to gi5533377 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters


<400> 2983
```
tacagaagca gacacatgta agaattcacc attagatgaa ttagaagaag gagaaattag   60
aagtgatagt gaaacatcta aaccacaaga aagttttgaa aaaaattcca aacgtagagt   120
gtcagctgat gtgcggaagt caaagactat cccacgacgt gggaaaagta ctgtgtgttt   180
agataaagac agtaggaaaa cacatgtaag aatccatcag accaataaca aatggaataa   240
aagacctgat aaatctagta gatcttcaaa aacagagaag aaagataaag tgatgagcac   300
ttccagcttg gaaaaaatag ttccaattat tgctgtaccc tcttctgaac aagagatcat   360
gcacatgtta cgaatgataa gaaaacatgt aagaaaaaat tatatgaaat tcaaggcaaa   420
attttcatta atacaatttc acagaattat tgagtcagca attttgagtt ttacatcttt   480
aattaaacat ctcaacttac acaaatctc taagtcagtg actaccttac agaagaatct   540
ctgtgatatt atagagtcta aacttaagca agttaaaaag aatggcatag ttgatcgttt   600
atttgaacag caactaccag atatgaaaaa aaaattgtcg gaagtttgta gatgaccaac   660
ttgattattt gtttgcaaag cttaggaaaa tcttagtatg tgattccaaa agctttggaa   720
gagatagtga tgaaggcaaa cttgaaaaaa caagtaaaca gaatgcacag tattcaaata   780
ggtcagaaaa gggagtgtgg gacaactcca acagaggaat tgctggaaag gaaaaattat   840
ccaaaatcag gaaggaccct gttcattata aggtctttag gtggggggtg ttaaaaaatc   900
tgaggaaaat tatcaagacc aaaataactc cagtattaac actgtaaagc atgacattaa   960
aaaaaatttt aacatctgct ttgataatat aaagaactct caatccgaag agcgctcctt 1020
ggaagtacac tgtccaagca ccccaaagtc agaaaaaaac gaaggaagca gcatagagga 1080
tgcacagaca tcccagcatg caactttgaa gccagaacga agtttcgaga ttcttaccga 1140
acagcaagca tcgagcctta ctttaattt agtgagtgat gcacaaatgg gtgaaatatt 1200
taaaagtttg ttgcaaggtt ctgatctttt aaacagcagt gttaactgta ctgaaaaaag 1260
tgagtgggag ttaaagactc cagagaagca gctgctagag actcttaagt gcgagtctat 1320
accagcttgt acaacagaag agctagtttc aggggtggct tctccatgtc ctaaaatgat 1380
tagtgatgat aattggtcat tattatcatc tgaaaaaggt ccatctctgt cttcagggct 1440
ttcattgccg gttcatcctg atgtgttgga tgaaagttgt atgtttgaag tgtctactaa 1500
cctacctttta agtaaagata atgtgtgtag tgtagaaaag agcaagccct gcgtttcttc 1560
catacttctt gaagatctag cagtctcttt aacagtacca tcgcctctga agtcagatgg 1620
tcatctcagt ttttaaagc ctgatatgtc gtccagttca actcctgaag aagtcattag 1680
tgctcatttt agtgaagatg ccttacttga gggaagaggg attgcattct tagcaagata 1740
tttcatttta gctctggagt ctgataattc aagcagtaaa tcaagttgtt cttcttccct 1800
ggacaagccg atcctgttgc tccaggcttt cagtaccacc ctaatctacc tatgcatgcc 1860
gtcataatgg aaaagtccaa tgatcatttc attgtgaaaa tacgacgtgc gacgccgtct 1920
acctcttctg gccttaaaca gagtatgatg cctgatgaat tattgacatc tttgcccaga 1980
catggaaagg aagctgatga aggaccagag aaagaatata tttcatgtca gaacacagtt 2040
tttaaatctg tggaggaatt ggaaaactcc aacaaaaatg ttgatggcag caagtcaact 2100
catgaagaac agagctctat gatacaaaca caggttcctg atatatatga atttcttaaa 2160
gatgcttcag ataagatggg tcatagtgat gaagtggctg atgaatgttt caaattgcat 2220
caagtatggg aaacaaaagt gcctgaaagc attgaagaat tgccttcaat ggaagaaatc 2280
tcacactctg ttggggaaca tcttccaaac acatacgtag atctaacgaa agatccagtc 2340
actgaaacca aaaacttggg ggaattcata gaagtaacag ttttacatat tgatcagttg 2400
ggatgttctg gaggcaattt aaatcagagt gctcaaatat tagacaattc tttgcaggct 2460
gatactgtag gtgctttat tgatttgaca caagatgctt caagtgaggc taaaagtgaa 2520
ggtaatcatc ctgcattagc tgtggaagac ttgggatgtg gggtgataca ggtagatgaa 2580
gataattgta aggaagaaaa ggcacaagtg gcaaacaggc ctttaaaatg cattgttgag 2640
gaaacctata tcgacttgac cacagaatct cccagttcat gtgaagtaaa aaaagatgag 2700
ttaaaatcag agccaggatc aaattgtgat aactcggagt tgcctgggac tttgcataat 2760
tctcacaaaa agagaagaaa catttctgat ctaaatcatc ctcataaaaa acaaagaaag 2820
gaaacagact taactaataa ggaaaagacc aagaaaccta cccaagattc ttgtgagaat 2880
actgaagctc accaaaagaa agccagtaag aagaaggccc ctcctgtgac taaagatccc 2940
tcatcattaa aggcaacccc agggattaag gattcatcag cagcacttgc cacttctaca 3000
agtctttctg caaaaaatgt tattaaaaag aagggagaaa ttatcatttt atggacaaga 3060
```

1790

```
aatgatgacc gggaaatttt attggagtgt cagaaaagag ggccatcatt taaaacattt    3120
gcatatttag ccgccaagtt ggataaaaat ccaaatcagg tctcagaaag attccagcag    3180
ctaatgaagc tctttgaaaa gtcaaaatgc aggtagttaa tggttacact acaggagact    3240
agtaaaataa atgtttgaca ctgtagttgt gcagttaatg gcctgttagt cattgaagat    3300
gtgaatagtg ggtgagagac atccagttga gttcctgctt cagtcacagg ttggaggatg    3360
attgctcgag caggcatcta aggtgacctc                                      3390
```

```
        <210> 2984
        <211> 1079
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1080)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (464)...(642)
        <223> similar to gi1890050 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 2984
cacctgccta ggactctcac agtgctggga ttgcaagcat gagccaccgc acccggccca      60
gtcttggtct tttgaccttt ggagtcatgc acagggaacc tcttcctttg ttctcagaga     120
gttcttgggt tcccctgaag tttgtttcaa gataaacatc cccgctgctt caccccttccc    180
tggtgtgatc cagcgtggct ttcacacgcc gtccatctcc ctcgctggcg tgtccctccc     240
agaatcaaaa ggcagacttc ccggggagat cccaggccat ggcggggagc agagccatcg     300
ggagttccct gtcaggagtc ctgccctcag atttgagagt gcagaacccc gccagccccc     360
caacttgcat gcaaaccctg gcatgtgtgc ctctttcctg agggatcgtc cataaatatc     420
accagattat ctaaaggttg ggaaaggatc catgaaccaa aataggggcaa gagccactgg    480
tcaagatgct tcccctctgc aattgcaaaa gtggagtgga ttgtgtggtg agatgaggaa     540
gtttcattct tctcgtttgt tttctcccag tacgagtatg cgttgagaca tttgtacgtg     600
ctggtcaacc tttgtgagaa gccgtatccg cttcacaggt aactaatgca gcggtgacgc     660
ttgaaaggtc gatgtcattc tgaaagcaga aggggctgcc atcctcttct gcaagtgggc     720
agtttcactt ctgccaggag ctccctccag ctttcctcta cagccatttg tcagcagggt     780
ccagaagcca cgttctcagt gacagctgct gggcgggcct gtcataactg cctgcctgcc     840
gcatgtgggt ttgcgtttgt ctgcctttct tcagagttga cgcggttcac caagttctcc     900
ttcctgtctc tcgcaggata aaattgtcca tggaccacgt gtgccttggt cactactgaa     960
gagctggctc ctggaagctt ttccaaagtg tgagcgcccc caaccgactg tgtgctgatc    1020
aagagactgg agaaggtgga antgaagaag tctccgctgg ctcngggccc tcctgggga    1079


        <210> 2985
        <211> 985
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(986)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (985)...(377)
<223> similar to gi3776056 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2985
tttttttttt ttgcatattt accacatgtc atgtatttct gaacaaaggg aaagagatac   60
aaattcctac cattaaactg gcttggttgt tgtttgggtt ggagtagcct gtgggggcct   120
tggggaaggg tgtcgtttct ttctagtagt ctcatgtcgc tttaggtcag ctgggctggc   180
ttacacgcgc tgtgcggtct tcatggagat gggagctctg tgtgtcagca caggaagtgg   240
tctcccagcg ttcagcctga agcagcccaa gtcctgtagg tgcttgcccg tctctaaacc   300
ccccagaaac atcagtgcaa gaaggaagag actgctggca aagatgactc ccaaggctgt   360
tctccgctct ggtgggacaa cctgggtgct ggccccaagg ggctcctcca gagagatgtg   420
tgtgacctgg caggtgtaag tggcacctgc agagccaggt tctgcggtga gagaggagga   480
gatgctgtag gtgcctgcca cgctttgcct gaggctggag aaggaggcac cagagacttg   540
ggctggggat ccacccagct cctctcgggt ccacgtcacc accacatcca gagggtaata   600
gccagcaatg tcgcagatga gggtgggcag cagagcttcg tttgccaagc tcagtcgtac   660
tttaggggaa gcttggatgt tgagctggat gatctgctga gctcggtaca gagaggtggt   720
gatctggcaa atgtaggtcc cctcgtcctg tatagtgagg ccgggcaggg tgagggaggc   780
atccctggcc atgcccagtt gtgcaggctc cagggtagcg cccttccgca cagcctgccc   840
ctgccctgcg gtccagctgt acaccaactg acccctgccc ttgtgctgca gtcgccactc   900
cacactgatg aggtccaagc ccggtgccat gggaattcca cctcactgcc tagggtcttc   960
gatagggttt cgaanggccg ggccc   985

<210> 2986
<211> 1719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1721)...(1100)
<223> similar to gi1754969 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2986
tttttttttt ttcagacacg cacttgtggt ttattacaca cagtgatctc catctacacg   60
gaaatggaag gcaagcagcc aggatggagc tggttgctgg gaacacttgc tggaggtgga   120
aaagcctctc gtcagagccg tgggtgggtc ttggtggcag gccccctgct caggcccagc   180

```
tgggaaccag ccctgagctt tgctttgcct gcacagccca cctagagagc cattttttggc    240
cagagttctg ggtgggagac ttggggccag tgagacccag actctgagtg ggaggcctgc    300
ctccctggtc caggccatgt cctatcttgt ccctctctgg gtgataatgg aaacagagac    360
aggaagtagc agtcagtcca ggctgggccc ctccatcccc gacactctgc tccctggagc    420
tgggtccaca tcacagcgat cacagagctc agccactact cctggccaga ggacatgtgc    480
tctcatggca ggctggcctc ctgaggcctc ctgaatgtgg tagagctaga ccctcgtggg    540
ggatttccac tcactgctcc ccgggcccag ccgcaagtgc tgggcgagtc ttgtccgggg    600
gccaagtctt gtccaactgc agaggcagct ggttgtggtt gagtttggag gctgatgagg    660
ccaggagcaa cagcagccgc tgttccaccc ctgggtcttc ttggataggg tgtgtcccag    720
ggactccaga gttttgcggg ggcaggttct tacagggcag taccacagct gagagtctct    780
ctgctgatca ggtgactgaa ggcccaacgt agcatctttc tagccttgcc cgagccaggt    840
gcttctacct tcatctcctt cctgggaaag cccaggccca agggtgcccc tcaggtacac    900
atctccctgg tctggcctgt ccactttccg gcagcttcac atgccggtgg ctttggggct    960
gggtgggcat actcttgaat gttaaaaggc cacaggtagc gcattccatg aaaaaagatc   1020
aatatattac tgttttgttt ttacaaaaat taaaaatgtc cacacggatc tgtacaggtg   1080
tgagctgggc ctgtgggtca cttatgccag cagccaggca caggcagccc gtcggggccc   1140
acgggacacg gctggtccag gcctggtggt cccggctcgc ccttctggcc cttcactcct   1200
ttccggccgg gggacccctcg ttctcccttc tctccacgct cgctccgatc acctttctct   1260
cctcggggtc cagggaaacc atctagtcct ggctccccgg gtcggccctt ctctcctttg   1320
gttcctggca gcccaataag gcccggtggg ccaactggcc caggcaggcc gctggggcct   1380
ctctcacccg acgcacccct tctctccctt gctccatcca agcccttggg accctggatt   1440
ccctggaggc ccatcgggcc tgggggggcca gggggggccag ggggccctgg ctccactatg   1500
agctgagcca ggctctcctg taggctgtca gacgccgact ccccccttctc ccccttgagg   1560
ccgtcagcgc ccgggaggcc ggacaagccc atctcgcctg cttccccttt gagtcctgct   1620
ggcccaggct ctcctgggtc tcctttctgt cctttggggc ccttctctcc atcgattcct   1680
ggggcaccgg gcaatccaag ctcgccccgg acgcgtggg                          1719
```

<210> 2987
<211> 1619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1345)...(223)
<223> similar to gi5420387 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2987
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tttttttttt ttattttccc ttttattcaa caccctcccc acccagtctc cccgccccca     60
agggtccgac acgaaaggtc caggccctcc tcgggcgcga caggagccg atccttaaaa    120
gcaaacccta caaataaata agcggggtcg ggggcggggg tctctgcagt ccagggccta    180
cggtccaacg gcagtcaggt cgaatcaatt caccagcagc gaatgctcct ccgaggggtc    240
ccttccgcag cagcagagaa ggctgcaggc cgagccgctc ccgcggcgga acttgccgga    300
ggtggggctg tcctggcact gtgcgatgta ggcctgcagc tcgctctcct ctgcgcctgc    360
gccgccggga tgcttgatgg tgtcgtaggc gccggtgatg agcgcgatga agaggctgag    420
caccatgtag atgaagaggc tgatgaagga gtaaaggtag agctgggaga agagccacac    480
caggctgctg cggccctgct ggcgcctgca tggcggcgaa cgtcacaaac atgtcgtccc    540
cattgatgag cgagaacagg cactcagaca ccatggagag tgagcggaac ttcacatgat    600
agggccccag cacgatccag ccacagaagc agtagcccag gtagatgaca gccacgcagc    660
```

1793

```
agcagaagcg catgacgctg ggcagggcca cccgcagtgt ggcgatgagg atattgtagt      720
tgtggaagaa ggtcaggtag cggatcacgc ccacccacac cagcagcgtc gaggtgccca      780
ggaggatgct gcagacgtcg tagctcgcca agttcttggc ctcgatgccg atcttcatga      840
tggtgcccga gatggtgagc acatcgctgg tgacgagcag gatgtaccag ccattgacaa      900
attccagccg ctcccacagg ctgatgaccc gtccccgctg ccgccacatg aaccccacaa      960
actcgttttg cagcaggaag cctcgaagga gtgagcgggc gcagaggagg aaggacaggg     1020
agcaggtgag gatgaccacc acgtcaaaca ggagccggaa gctgttgtct ccgtgctgga     1080
agacactggg gtgcttacac tcctggatgt gggcctgggt ctccaggctg atggggatcc     1140
gcccactgtg tgctttgttg tcaaacgtga tcaggacgct gaaggtatag cagtccggga     1200
tctcattatt gatgaggctc tggaggttaa tggtcttcag ccggaagtgg atggtgacat     1260
tgaccagctt gtggaatttg agcgtgaggt tcttgtaact ggagctgctt tccaagaggg     1320
tgagatcgtc gctggggggc ggaggggggcc gctcggggggg atccaccctg gatgcagtca     1380
gtaaccacca tcggatcaat gtcaaatgtg tcgttggccg ggtccacgtg gcctcggtgg     1440
tagtaccgct ggcagagagc aagccctgag ccattggtcc aagggtcacc cccaccacgg     1500
acatacgcat accggcccag tgacacgtca ggcaacgcca ggtactggtc cacagcatgg     1560
aagatggcct ggtacagctg ctcccgcgtg taggctgcga aggtgtcatc cgctccgtc      1619
```

<210> 2988
<211> 2193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2196)...(872)
<223> similar to gi1835750 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

        <400> 2988
```
tttttttttt ttaactggca aaggcatatt tttatttaaa taaatcaatc tcacaactgt       60
aattcgaact tgaaattagc aaagtttctt tcacttctta cacataaaaa ccttaaattt      120
taactgtaat aaagtgtgaa tcctttaata acctgggttt ttaaaagggt gccacccaat      180
gggggtaatg gaaaaggggg atgttaatgt actaggcttc cctggaaaat attttaaaca      240
tttttcatac aatactaggg aaaacttccc cttcttccac gtttaggctt aatagaacaa      300
atcacatgga aagtttcata gtgggttctt ttatttataa aataatcaca ttcaagtctt      360
accagagagt agcaaagtct tcaattcctt tcctttcctt tgaagaaata atgtagagca      420
atcactcata aatccctcta attataaata aaatccaaga tattatttga caatgagatg      480
ctttatttaa acttgataca tttactatat aagaattctg tgaaaaaatg gggtatgaaa      540
ttattttgga tctgaatctt tgcattataa aatctaaccc aaaactatgt catttcactg      600
tattctgtga ctattagcag atggatgacc aaaggcaact acttcctttc ctggcaaaac      660
aagacaagtt tcagctgact tccccatggt gttacaagtt ctcctagtga agtaaaaagt      720
cccaacccct ctttctatgc atgtcatctc caggaaggta agctttggga agcacctgcg      780
ccagccctat atctgtgctt ggcatgaggt tcacacaggt tcggccttga gatggggatg      840
ttcctctcaa ccaaacaact ctacttgaat tattccgaga ctccttggag gggtgaaact      900
tcaggcctgg gtgtctctgc agtgagatgt ctgtggttgg taaacagttc tgtagagtct      960
tgttctactg atctttcttc taggtctgac tctgggattg tagtacaacc acctggcatg     1020
accatggtct ggtgggggct gctgcatcgg tacttaggca gagacggcca cctttggata     1080
atctatcgca gagcaaggtg atatgtttct tcagttgggc tcgtgtcatt ggggtatgtc     1140
agcctgcctg gtgggttcaa agcctgctgc ttagcactct tacgacagca agtctttcac     1200
atggtggaaa atggcggcat ccaccgtttc ttcccagccc aattcttgag tgtcttcttg     1260
```

                                       1794
```

```
tagcggcaga aatgccgctt ccagaatagc aacctggtca gcactaagct tctgccacag   1320
cgcgatcagc agaatcacca aatgggtggc actcttcagc ctggtgaatg actggaacag   1380
attgcccttg gttttccctc ccactgcatc ctgctagagc aattacctgc cttgtaggtt   1440
cccatcctaa caaggtgtcc caggtgttga agaggggcag gagtttatc tttgaatctt    1500
gctagtagcc ggcgttgaat ggcccgaaat tgtacagctc tctcagataa gagttcttct   1560
aatttttcac catttatccg tagctcaaaa tggatggatc caatcaactc caaaatattc   1620
cttgaaaggg gtaatagatc cccgaaaaag aacatgcaaa atctttgact ccctgttttt   1680
caaaatattc ttgaaggcga agaataagct cattggttaa tgaagcccaa agatccttca   1740
aattgttcca ctcctggaat gcgaatatcc gttgaagaag ttttggaagc aagaacagta   1800
attccgagca cctccctaag aagtgaaaac ccattacatt cacctgatca tcatctgact   1860
gactggcaaa acctgggaag agactaagaa gactgactgg agatttgttg gtatcaatag   1920
taattttgtg gcttgcagtt tttgaaggct gacctggtag gcaaattaac tttaggggaa   1980
gtctaaattt acattggata actcgcggaa tgccatcagg atttcgattc ataaattcaa   2040
aggtgaactg atcacaagtc aattctaatg gtggttgcac gtagactgat aatttggctt   2100
tttgcaatat cactctgttc tgcagtgtga ccttcaccgt gacagaaggg acaaggtcag   2160
ttcccacctc aacatcggtc gcttgagaaa ctg                                2193
```


<210> 2989
<211> 2517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(904)
<223> similar to gi1840045 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 2989
```
ctgaacggga actatttggt tctgttggtg tcattggtgg tcattcttcc tttgtcgctg     60
tttagaaatt taggatattt gggatgtacc agtggccttt ccttgttgtg tatggtgttc    120
tttctgattg tggtcatttg caagaaattt caggttccgt gtcctgtgga agctgctttg    180
ataattaacg aaacaataaa caccacctta acacagccaa cagctcttgt acctgctttg    240
tcacataacg tgactgaaaa tgactcttgc agacctcact attttatttt caactcacag    300
actgtctatg ctgtgccaat tctgatcttt tcatttgtct gtcatcctgc tgttcttccc    360
atctatgaag aactgaaaga ccgcagccgt agaagaatga tgaatgtgtc caagatttca    420
tttttgcta tgtttctcat gtatctgctt gccgccctct ttggatacct aacattttac    480
gaacatgttg agtcagaatt gcttcatacc tactcttcta tcttgggaac tgatattctt    540
cttctcattg tccgtctggc tgtgttaatg gctgtgaccc tgacagtacc agtagttatt    600
ttcccaatcc ggagttctgt aactcacttg ttgtgtgcat caaaagattt cagttggtgg    660
cgtcatagtc tcattacagt gtctatcttg gcatttacca atttacttgt catctttgtc    720
ccaactatta gggatatctt tggtttttatt ggtgcatctg cagcttctat gttgatttttt   780
attcttcctt ctgccttcta tatcaagttg gtgaagaaag aacctatgaa atctgtacaa   840
aagattgggg ctttgttctt cctgttaagt ggtgtactgg tgatgaccgg aagcatgggc   900
cttgattgtt ttgggattgg ggtacacaat gcacctggag gtgggccatt aattggcacc   960
actcaaactc aaactcagtc catctgatgc cagtgttgag taaactcaac tactatgaaa   1020
tttcacctaa tgttttcagt ttcacttcct tttgaagtgc agattcctcg ctggttcttc   1080
tgagtgcaga ataagtgaac tattttgttt tgttttgttt ttttaagaaa cttatctgta   1140
tgttagaaat gggatatgaa caacaaagcc acgagtctcg ggttaaggga agtgacaatt   1200
ttattccatt ccagagaatg gacaaactct taacttttat caagccacat gcttggctgt   1260
```
```
                                    1795
```

```
gtcattgttt aacttggata ttttatgatt ttacttgaat gtgcctaatg gaaccatttg    1320
atgtgagaaa caattctttt taatttacag caaaatattg aataaccatt gacaaaaaca    1380
ctattatttt ttgtaccaaa aatacttaaa gacctcagaa gcactctttt acttttaaga    1440
aattgctttt ttgaacttta ttcagaagca gttatcaata aattccataa aataatgtca    1500
ttggtattta aaaatgaata ttaatataat gaaatggttt gcctttttgt aggcataata    1560
agccaaatac ttttttaccc aaaataattt ttagagaaaa tgatgtaatg aaaaattgta    1620
ccatgaatta ggagcatagt tttttccatt taaacgtcac cattacttaa aagatgattg    1680
attattgcta taccaaatca gatgaactct gttcatcact tttcttctct gtccccaaac    1740
aatttggttc attcagactg aaatgtttgt gtcttcaact tattagaatg gaagataatg    1800
cagatatttc tgtgggaaat aaaataacta attttgaggt accaaatagt gcaattgggt    1860
aaaacagggt ttattcagtt gcatctgtct ccagtgttgt attgacagct ctgggtcttt    1920
ttttgggcca gccctttttt gacattgctt ccagcagtgg aaaatgggca tttgatggca    1980
ataggccaaa attattgtgt ccagagagta cacttttttca aaatgctcac ctactggaag    2040
tgtgaattac ttgacaatgt atggcttagt tgtgttcatg ttttgtctac agtagaggtc    2100
taatccacag gttacaccta tgtttgatat gatataagtt ctctttgcgt aggccactgg    2160
gtttctcatg cagtaagctt tataaaaact catttgcact ggactgtcat ctcattcttg    2220
tacaacgtag aattacttgt ttacatccaa caaatggtta gctagggaaa acagtgcaaa    2280
ctgagtgtta gtagtcattt tgggtccaac tgcatgtcaa cccttccatt tcaatcccag    2340
ttagaaatga aaataattac tttgaaactt ggctttaaga gcacatttat cgtacgtcac    2400
agtgtatggt gaatatatta ttaaataatg tggtacttcg ctcatcaggc ataatgtcta    2460
aaatctaata tacataattc cattccttcc tggttgccac agtatcttct cccatac       2517
```

```
<400> 2990
ccaggccgtg gagttaaatg ggacctgatt aacggcaaag ctaacagtaa taaatctctt      60
ccaacaccag ctgtcctgct ttcacccact aaggagccac cacctctgct tgccaaacca     120
aaactggacc ctctgaagct ccagcaactc cagaaccaaa tccgactgga gcaggaggcc     180
ggcgctcggc agcctccgcc agccccgcgc agcgcgccgc cctcgccccc cttcccgccg     240
ccgcccgcct tccccgagct cgcggcctgc acgccgcccg cgtccccgga gcccatgagc     300
gcgctggcct cccgctccgc ccccgccatg cagtcctccg gctccttcaa ctacgcgcgc     360
cccaagcagt tcatcgccgc gcagaacctc gggcccgcgt cgggccacgg cacgccggcc     420
tccagcccca gctcgtccag cctcccgtcg cccatgtccc cgacgccgag gcagttcggc     480
cgcgccccg tgccgccctt cgcgcagccc ttcggcgctg agcccgaggc cccgtggggc     540
tcctcctcgc cgtcgccccc gcccccgcca ccccggtct tcagccccac ggctgccttc     600
ccggtgcccg acgtgttccc actgccgccg ccaccaccgc cgctcccgag cccgggacag     660
gcgtcccact gctcgtcgcc tgccacccgc ttcggccacg gccagacgcc cgcggccttc     720
ctcagcgctc tgctgccctc gcagccgccg ccggcggccg tcaacgccct ggggctgccc     780
aagggtgtca cccccgcagg atttccaaag aaggccagta gaactgctag aatagcctcc     840
gatgaggaaa ttcaaggcac aaaggatgct gttattcaag acctggaacg aaaacttcgc     900
ttcaaggagg acctcctgaa caatggccag ccgaggttaa catacgaaga aagaatggct     960
```

```
cgtcgactgc taggtgctga cagtgcaact gtctttaata ttcaggagcc agaagaggaa   1020
acagctaatc aggaatacaa agtctccagc tgtgaacaga gactcatcag tgaaatagag   1080
tacaggctag aaaggtctcc tgtggatgaa tcaggtgatg aagttcagta tggagatgtg   1140
cctgtggaaa atggaatggc accattcttt gagatgaagc tgaaacatta caagatcttt   1200
gagggaatgc cagtaacttt cacatgtaga gttgctggaa atccaaagcc aaagatctat   1260
tggtttaaag atgggaagca gatctctcca aagagtgatc actacaccat tcaaagagat   1320
ctcgatggga cctgctccct ccataccaca gcctccaccc ctagatgatg atgggaatta   1380
tacaattatg gctgcaaacc ctcagggccg catcagttgt actggacggc taatggtaca   1440
ggctgtcaac caaagaggtc gaagtccccg gtctccctca ggccatcctc atgtcagaag   1500
gcctcgttct agatcaaggg acagtggaga cgaaaatgaa ccaatttagg agcgattctt   1560
tcagacctca cttcttgcag gctcctggag atctgactgg ttcaagaagg aaaactctgc   1620
agaatggact gcaaagtcag tgggttacca accccagatc taagctggca actagatgga   1680
aagcccgtac gccctgacag tgctcacaag atgctggtgc gtgagaacgg ggtgcactct   1740
ctgatcatag agccagtcac gtcacgtgat cgcccggaat ctacacatgt atagctacca   1800
accgagcaag gacagaactc atcaagctgg gagcttgtgg ttgcttgcta aagaagcaca   1860
caaaccccct gtgtttattg agaagctcca aaacacagga gttgctgatg ggtacccagt   1920
gcggctggaa tgtcgtgtat tgggagtgcc accacctcag atattttgga agaaagaaaa   1980
tgaatcactc actcacagca ctgaccgagt gagcatgcac caggacaacc acggctacat   2040
ctgcctgctc attcagggag ccacaaaaga agatgctggg tggtatactg tgtcagccaa   2100
gaatgaagca gggattgtgt cctgtactgc caggctggac gtttacaccc agtggcatca   2160
gcagtcacag agcaccaagc caaaaaaagt acggccctca gccagtcgct atgcagcact   2220
ttcggaccag ggactagaca tcaaagcagc gttccaacct gaggccaacc catctcacct   2280
gacactgaat actgccttgg tagaaagtga ggacctgtaa tccagcattc ttgttaaagc   2340
tgaaacactg aaacagccat tgccttgacc aacatattcc tttgtcacat tatgtaaaag   2400
gcagaaacat acctttgact ataaaaaaaa aa                                 2432
```

<210> 2991
<211> 7131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3186)...(7134)
<223> similar to gi1196429 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2991
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cgaattcccg ggtcgagcgt ggtcattgag gacaagtcga cgagagatcc cgagtacatc     60
tacagtcagc cttacggtaa gcttgtgcgc tcggaagaag ctagggtgat aatggggcaa    120
actaaaagta aaattaaaag taaatatgcc tcttatctca gctttattaa aattctttta    180
aaaagagggg gagttaaagt atctacaaaa aatctaatca agctatttca aataatagaa    240
caattttgcc catggtttcc agaacaagga actttagatc taaaagattg gaaaagaatt    300
ggtaaggaac taaaacaagc aggtaggaag ggtaatatca ttccacttac agtatggaat    360
gattgggcca ttattaaagc agctttagaa ccatttcaaa cagaagaaga tagcgtttca    420
gttcctgacg cccctagaag ctgtatagta gattgtaatg aaaagacaag gaaaaaatcc    480
cagaaagaaa tggaaagttt acattgcgaa tatgtagcag agccggtaat ggctcagtca    540
acgcaaaatg ttgactataa tcaattacag gaggtgatat atcctgaaac gttaaaatta    600
gaaggaaaag gtccagaatt agtggggcca tcagagtcta aaccacgagg gccaagtcct    660
cttccagcag gtcaggtgcc cgtaacatta caacctcaaa ggcaggttaa agaaaataag    720
```
```

```
acccacccgc cagtagccta tcaatactgg cctccggctg aacttcagta tcggccaccc    780
ccagaaagtc agtatggata tccacgcccg cccccagcac cacagggcag ggcgccatac    840
cctcagccgc ccactaggag acttaatcct acggcaccac ctagtagaca gggtagtgaa    900
ttacatgaaa ttattgataa atcaagaaag gaaggagata ctgaggcatg gcaattccca    960
gtaacgttag aaccgatgcc acctggagaa ggagcccaag agggagagcc tcccacagtt   1020
gaggccagat acaagtcttt ttcgataaaa atgctaaaag atatgaaaga gggagtaaaa   1080
cagtatggac ccaactcccc ttatatgagg acattattag attccattgc tcatggacat   1140
agactcattc cttatgattg ggagattctg gcaaaatcgt ctctctcacc ctctcaattt   1200
ttacaattta agacttggtg gattgatggg gtacaagaac aggtccgaag aaatagggct   1260
gccaatcctc cagttaacat aggatgcaga tcaactatta ggaataggtc aaaattggag   1320
tactattagt caacaagcat taatgcaaaa tgaggccatt gagcaagtta gagctatctg   1380
ccttagagct tgggaaaaaa tccaagaccc aggaagtacc tgcccctcat ttaatacagt   1440
aagacaaggt tcaaaagagc cctaccctga tttttgtggca aggctccaag atgttgctca   1500
aaagtcaatt gccgatgaaa aagccggtaa ggtcatagtg gagttgatgg catatgaaaa   1560
cgccaatcct gagtgtcaat cagccattaa gccattaaaa ggaaaggttc ctgcaggatc   1620
agatgtaatc tcagaatatg taaaagcctg tgatggaatc ggaggagcta tgcataaagc   1680
tatgcttatg gctcaagcaa taacaggagt tgttttagga ggacaagtta gaacatttgg   1740
aggaaaatgt tataattgtg gtcaaattgg tcacttaaaa aagaattgcc cagtcttaaa   1800
caaacagaat ataactattc aagcaactac aacaggtaga gagccacctg acttatgtcc   1860
aagatgtaaa aaaggaaaac attgggctag tcaatgtcgt tctaaatttg ataaaaatgg   1920
gcaaccattg tcgggaaacg agcaaagggg ccagcctcag gccccacaac aaactggggc   1980
attcccaatt cagccatttg ttcctcaggg ttttcaggga caacaacccc cactgtccca   2040
agtgtttcag ggaataagcc agttaccaca atacaacaat tgtccctcac cacaagcggc   2100
agtgcagcag gtagatttat gtactataca agcagtctct ctgcttccag gggagccccc   2160
acaaaaaatc cccacagggg tatatggccc actgcctgag gggactgtag gactaatctt   2220
gggaagatca agtctaaatc taaaaggagt tcaaattcat attggtgtgg ttgattcaga   2280
ctataaaggc gaaattcaat tggttattag ctcttcaatt ccttggagtg ccagtctagg   2340
agacaagatt gctcaattat tactcctgcc atacattaag ggtggaaata gtgaaataaa   2400
aagaatagga gggcttggaa gcactgatcc aacaggaaag gctgtcatat tgggcaaatc   2460
aagtctcaga ggacagacct gtgtgtaagg ccattattca aggaaaacag tttgaagggt   2520
tggtagacac tggagcagat gtctctatca ttgctcttaaa tcagtggcca aaaaattggc   2580
ctaaacaaaa ggctgttaca ggacttgtcg gcataggcac agcctcagaa gtgtatcaaa   2640
gtactgagat tttacattgt ttagggccag ataatcaaga aagtactgtt cagctaatga   2700
ttacttcaat tcctcttaat ctgtggggtc gagatttatt acaacaatgg ggtgcggaaa   2760
tcaccatgcc cgctccatta tatagcccca tgagtcaaaa aatcatgacc aagatgggat   2820
atataccagg aaagggacta gggaaaaatg aagatggcat taaaattcca gttgaggcta   2880
aaataaatca agaaagagaa ggaataggggt atccttttta ggggcggcca ctgtagagcc   2940
tcctaaaccc ataccactaa cttggaaaac agaaaaaccg gtgtgggtaa atcagtggcc   3000
gctaccaaaa caaaaactgg aggctttaca tttattagca aatgaacagt tagaaaaggg   3060
tcacattgag ccttcgttct caccttggaa ttctcctgtg tttgtaattc agaagaaatc   3120
aggcaaatgg ccatatgtta actgacttaa gggctgtaaa cgccgtaaac gccgtaattc   3180
aacccatggg gccttctcca accccgggtt gcccttctcc ggcccatgat ccccaaaagg   3240
atgggccctt taattataat ggatctaagg gattgctttt ttacccatcc ctctggcggg   3300
agcaggattg cggaaaaatt tgcctttact ataccagcca taaataataa agaaccagcc   3360
accaggtttc agtggaaagt gttacctcag ggaatgctta atagtccaac tatttgtcag   3420
acttttgtag gtcgagctct tcaaccagtt agagacaagt tttcagactg ttatattatt   3480
cattatattg atgatatttt atgtgctaca gaaacgagag ataaattaat tgactgttat   3540
acatttctgc aagcagaggt tgccaatgca ggactggcaa tagcatctga taagatccaa   3600
acctctactc cttttcatta tttagggatg cagatagaaa atagaaaaat taagccacaa   3660
aaaatagaaa taagaaaaga cacattaaaa acactaaatg attttcaaaa attactagga   3720
gatattaatt ggattcggcc aactctaggc attcctactt atgccatgtc aaatttgttc   3780
tctatcttaa gaggagactc agacttaaat agtaaaagaa tgttaacccc agaggcaaca   3840
aaagaaatta aattagtgga agaaaaaatt cagtcagcgc aaataaatag aatagatccc   3900
ttagccccac tccaactttt gattttttgcc actgcacatt ctccaacagg catcattatt   3960
caaaatactg atcttgtgga gtggtcattc cttcctcaca gtacagttaa gactttttaca   4020
ttgtacttgg atcaaatagc tacattaatc ggtcagacaa gattacgaat aataaaatta   4080
tgtgggaatg acccagacaa aatagttgtc cctttaacca aggaacaagt tagacaagcc   4140
```

1798

```
tttatcaatt ctggtgcatg gcagattggt cttgctgatt ttgtgggaat tactgataat    4200
cattacccaa aaacaaaaat cctccagttt ttaaaattga ctacttggat tttacctaaa    4260
attaccagtc acggaccttt agaaaatgct ctgacagtat atactgatgg ttccaacaat    4320
ggaaaagcag cttacacaga gccaaaagag caagtaatca aaactcagta tcaattggct    4380
caaagagcag agttggttgc agtcattaca gtgttacaag attttgatca atctatcaat    4440
attgtatcag attctgcata tgtagtacag gctacaaggg atgtaaagac agctctaatt    4500
aaatatagca tggatgatca gttaaaccag ctattcaatt tattacaaca aactgtaaga    4560
aaaagaaatt tcccatttta tattactcat attcgagcac acactaattt accagggcct    4620
ttgactaaag caaatgaaca agctgactta ctggtatcat ctgcattcat aaaagcacaa    4680
aaatttcatg ctttgactca tgtaaatgca gcaggattaa aaaacaaatt tgatgtcaca    4740
tggaaacagg caaaagatat tgtacaacat tgcacccagt gtcaaatctt acacctgccc    4800
actcaagagg caggagttaa tcccagaggt ctgtgtccta atgcgttatg gcaaatggat    4860
ggcacgcatg ttccttcatt tggaagatta tcatatgttc atgtaacagt tgatacttat    4920
tcacatttca tatgggcaac ttgccaaaca ggagaaagta cttcccatgt taaaaaacat    4980
ttattatctt gttttgctgt aatgggagtt ccagaaaaaa tcaaaactga caatggacca    5040
ggatattgta gtaaagcttt ccaaaaattc ttaagtcagt ggaaaatttc acatacaaca    5100
ggaattcctt ataattccca aggacaggcc ataattgaaa gaactaatag aacactcaaa    5160
gctcaattgg ttaaacaaaa cgaaggggga gacagtaagg agtgtaccac tcctcagatg    5220
caacttaatc tagcactcta tactttaaat tttttaaaca tttatagaaa tcagactact    5280
acttctgcaa aacaacatct tactggtaaa aagcacagcc cacatgaagg aaaactaatt    5340
tggtggaaag ataataaaaa taagacatgg gaaataggga aggtgataac gtgggggaga    5400
ggttttgctt gtgtttcacc aggagaaaat cagcttcctg tttggatacc cactagacat    5460
ttgaagttct acaatgaacc catcggagat gcaaagaaaa gggcctccac agagatggta ·    5520
accccagtca catggatgga taatcctata gaagtatatg ttaatgatag tgtacgggta    5580
cctggcccca cagatgatcg ctgccctatc aaacctgagg aagaagggat aatgataaat    5640
atttccactg ggtatcgtta tcctcctatt tgcctaggga gagcaccagg atgtttaatg    5700
cctgcagtcc aaaattggtt ggtagaagta cctactgtca gtcccatcag tagattcact    5760
tatcacatgg taagcgggat gtcactcagg ccacgggtaa attatttaca agactttct    5820
tatcaaagat cattaaaatt tagacctaaa gggaaacctt gccccaagga aattcccaaa    5880
gaatcaaaaa atacagaagt tttagtttgg gaagaatgtg tggccaatag tgcggtgata    5940
ttacaaaaca atgaatttgg aactattata gattgggcac ctcgaggtca attctaccac    6000
aattgctcag gacaaactca gtcgtgtcca agtgcacaag tgagtccagc tgttgatagc    6060
gacttaacag aaagtttaga caaacataag cataaaaaat tgcagtcttt ctacccttgg    6120
gaatggggag aaaaaagaat ctctaccca agaccaaaaa tagtaagtcc tgtttctggt    6180
cctgaacatc cagaattatg gaggcttact gtggcctcac accacattag aatttggtct    6240
ggaaatcaaa ctttagaaac aagagattgt aagccatttt atactatcga cctaaattcc    6300
agtctaacag ttcctttaca aagttgcgta aagccccctt atatgctagt tgtaggaaat    6360
atagttatta aaccagactc ccagactata acctgtgaaa attgtagatt gcttagttgc    6420
attgattcaa cttttaattg gcaacaccgt attctgctgg tgagagcaag agagggcgtg    6480
tggatccctg tgtccatgga ccgaccatgg gaggcctcac catccatcca tattttgact    6540
gaagtattaa aaggcatttt aaatagatcc aaaagattca tttttacctt aattgcagtg    6600
attatgggat taattgcagt cacagctacg gctgctgtgg caggagttgc attgcactct    6660
tctgttcagt cggtaaactt tgttaatgat tggcaaaaga attctacaag attgtggaat    6720
tcacaatcta gtattgatca aaaattggca aatcaaatta tgatcttag acaaactgtc    6780
atttggatgg gagacagact catgagctta gaacattgtt ccagttaca gtgtgactgg    6840
aatacgtcag attttgtat tacaccccaa atttataatg agtctgagca tcactgggac    6900
atggttagac gccatctaca gggaagagaa gataatctca ctttagacat ttccaaatta    6960
aaataacaaa ttttcgaagc atcaaaagcc catttaaatt tgatgccagg aactgaggca    7020
attgcaggag ttgctgatgg cctcgcaaat cttaaccctg tcacttgggt taagaccatc    7080
ggagtactat gattataaat ctcatattaa tccttgtgtg cctgttttgt c            7131
```

1799

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1456)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1081)...(195)
<223> similar to gi179594 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 2992
```
tttttttttt tgcggtttcc aaacttttgt attttagca gcagaagcca tcctccaaac      60
aaaaccgtat gcaaaacctc agctacaaaa cagatcagtg ggctgcttgc ccgtgtgggg     120
catgggctgg gccccgagct ctccctccag cacccagtac ttcttccaca aggccctatg     180
tgagctcagt ttaaaacccc agggccttgg caggggtcag gtgggcggga gcaggggtg     240
gaccttgtag cactggagct aaagcagcca gataaggtgg gctagttctt aagacctctg     300
gagggtgtgg ctagtctctg agacctggac aacttcattc tccaccaggg cctggccccc     360
atccccattg agctgtctca tgcgcaggtt aatggagccg taggtcttcc tggagccctt     420
gccggggacg aaggtcctcc ggcggtacag ctcgcccttg cacagggaga ccatgagcag     480
caccgacaag agcatgccgc ccaccgtgag cagcccgagg cctgcgatga tgcacctgtc     540
caggtgggag cctaggcggg cgtagtacat ctccagtcgt tccatctccc gcgctgtcac     600
tgtgtccgga ttgactcgag cctcacgggg gatggcgtat gctgtcacca ccagaagaat     660
cccactcccc aggaaaacga gggcggaaac aaagccataa tccaccgggc ggctcacggg     720
ctccagggct ggcccctcct ctgaatgaag ggacagatca tcccgctggg atcggggcag     780
tgaggagaca cccccagggg gactgggtga gctgcccagt ctcgtgttcc caggggttctg     840
gaaatgggtc tcatgctcct ctgaggagaa gcaggcattc tccacaccct ccctggttgg     900
ggccactggg cccaggggag ctgatctcct tggggcttgg ggaccattgc tcagtgtctt     960
cagttccaga ccaggggggag atgccattgg gaaggagggc cccagctcat cccttggccc    1020
cttggcagct gcaaactcat acccctgtgc tggtggcatc actccaccag ccttccctgg    1080
ctctgcatcc ctcactcata gactcttcat tttatccagc tgtttatcag caaccgtgag    1140
caccttgaga gcaggcataa gtttgaattc catctgggtc cccagcctgc gcccagactg    1200
cttttaccag agttaggaca tctctctgtt tcatgcccag gttcagagat attcaccagt    1260
tacacaaagg ccgtgcccaa ttaccctaac ataagcagaa acacaccaac tgacatagct    1320
gctcccgccc accattcaca ccccacgacc ccaccagtta ctaatttcat ctgcagtcag    1380
acaggtcctg aaaggaacac tccagttcca cacacactcc tnaggaattc cnccacntgg    1440
ncaaaggtct acgat                                                     1455
```


<210> 2993
<211> 3892
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3880)...(1696)
<223> similar to gi961444 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 2993
tttttttttt ttcacagtga aaatggtttt atttaacatg cagcaaaaca agggcagcag   60
agctgggata tccagtacag ccatttgcca cgaagcactg acctcaacag taacgagtaa   120
cactcaaata actgtaatgt ctagagcata acacaaagtt ccatttccac atagtaattc   180
cacagacatt cccagggctg cagcagccag tctctggaaa gctcttggat ttattcctta   240
agtagtgaaa aatgattcac ttttgacttg tcctcttcta atgaagcagt gaaacctgct   300
tgctaaagac agcgaggggc agggaaggga tatgacctct tcccatagta aggaataagg   360
aagcctggca aggggcaggg aggaaccagg gaacatggtc tgtgccacct tcctttcccc   420
agagatgtcc gattgctgag cttgttcaac tgggctccgc aagcttcccc cgtgtctatg   480
gcagctggtg attttttttt tgtgacggag gcttggagta catgtcccag gatcacatcc   540
agcagctaga gtggctggga caagctggcg ggggccaagc actgttgaag caatagggtc   600
tggtgactca gctcaagtgt ggcccgatct catcacctcc agcccaaca tctcgctgac   660
agtgcccctc agtagctggg aacagttga ggtttctggg cagcacatta ggacatatgt   720
ctagtgtaac atttgtgatc ctgaggcctc ctgtgtccag ccacaggtgc cacaccacat   780
gccatctggt gagaggagag ggaggccaaa gcagtaggat gtagagtggc ggtagattcc   840
aaggggagga tagcagttta tttcatgcca agcaagaggt agtcagtagg atggcctgtc   900
cccacggctg gaggcacgct tttcccagaa agctgagtac ctgcttctgg agaaggggaa   960
atactggctc tcttcatttt ccttcctatc cctagttggg cctgtcatga ggccaaattc   1020
catgtcctgc caagatgtcc ataggacaca gcctgccact gccagggaca agcacacaac   1080
tcatcactcc gtggccattc caggacgatg ctgtccacca gaggcagggc tggggacttt   1140
gcagtatgcc agttccttat tctgggccag gcaccttcct gggccacctc cctggggatg   1200
gcagcaggag ctggttggcg ggggaagcat ggaattgcaa cagggctgca gccccttggg   1260
ccgtgcatct gtcaggtgtg aggatgtggc tcttgtgggg aatgacccat gacagtctct   1320
ctttagagac tcccacccc cacccccac cccagtggct tcagtgaatg ccagtagaag   1380
gaaagcaaac acctacgcca agcctggggg tccatgttcc cgggacagca gtgaagtcag   1440
gggccactcc gcacccctga cagcatatgg ccacttcaag tcacacaggt agataaaaac   1500
aggtcctttt aggggccaaa ggagaggtta tcacagcagc agtttggttc tcagcagaaa   1560
tgcccagggc ccctgttcca catcaaagct acaagcactg ttgtcagggc atggagagtg   1620
acgggaccag agccctcctc gtctcagggc agcctgcctg gcttcaaggt ggagatcaca   1680
gcgtcctctg gggtcatagg ttcccccact gttccacagg agggaactgg tccacctcgc   1740
ccacctctgt gctcagctgc tcccccaggg cgaaggtcag cttataccga agccgcacct   1800
tctccttcag tggattggcc agcaacatga cctgggtgat ggctgcaggt ggctggatgg   1860
ggctaaatgg agagagttct gtcccagaag gtggctgcaa cttcactttc attgacttgg   1920
gcactgcagc ctgcagcacg atgctcttga caggtaaggg agccgtgttc agcatggaca   1980
ccaccaccac cagcacgtca ggtcgtcctg ggggacactc cttggcaaag tggaagagga   2040
tgcggaagcc gttttatcg taggctgtca caggaagggc actgctaggc ttgatcgatt   2100
ccagggcac gtggatgctg gccagggaga gctcaggccc cttcgggggg ctgccctggg   2160
actggaaact cagtggctgg aagagcgggc tgccgggccc cgtggagaag ggcaggaggg   2220
gcctggctgg ggtggtggtg gggatgagag gggaggtagt gggtttcacc aagcccgagg   2280
tcactttggc ctcttctaga agctgatcga gggcatccag gtggtgcagc gcgctgttgc   2340
ccaacgccaa gccatggtgc ccagggactg cgggctcaac ttttggggcc aaggctgggg   2400
ccactccagt agaaaacaag gaggagcccg cactgggggc aggaacactg gctggacca   2460
caggagctgg gaagggaggc ggcagtggag cttgggagct gcttgaggag ggggctgagg   2520
gctggagcag aggagcgtcg gaggcgccac aggcagcggt ccccggcctg gggctgaaga   2580
agtccaggtc ggactgttcc ctctggagca ggtgccactg gctgttccca gctgactctt   2640
tgggaggaac attaggggct gggtcggcga ggcccaagca gagtagctcc tcgtccagcc   2700
aggagagggc gttgcttgtg ctgctgggcc ccagggtggc ctcggcctgg ctagaggagc   2760
ggctccgtgg aggtcctgag gcctggggtg gtggagggag gattgggatg cctgaggagg   2820
gtggagtagg tgctggggcc aacacggagg acaaactgtt ggtcgtgtcc agctccgcaa   2880
ggtcgatgag cgtgccttgg ttactgcact gactgtttcc ttccgagtca ggcagggtta   2940
aggtagccac ctcgccattg atgacctgcc cttcaataat tgttttgtaa gagttgatga   3000
cccgggagag gttgtcactg gcttgcagga tgtcccccaa actgttatca ttgtcctcag   3060

1801

```
tctcactggc gagtttaaat aaagtccgcc tcttgttctc acactgatca aacagctcct    3120
tcatcagctc tctgtccccg tccgaagagt cctcctggct gtaatgaagc agcatctcac    3180
tgagcagtct cacgttgttg ttaacttcct ctaacgtgtg cagacgcttg gtcaccttct    3240
ggatccgtgc ctcgtcttcc ctcaccatgg acttgatgag cttgttggcc tcctgcaggt    3300
catctgggtt tttgcttttc agcagcttgg ctaaaagctt ggacttctcc tcatcatcaa    3360
aaacagggtt tttgggacga ggtggtggag aggggatcag cgtcctatcc acaggaattg    3420
gtgggtcaga ctgcactatg ccctgtctct tcagcatgtg gtaggcgtct ttgatctttg    3480
cttcttctgg cagggccatg gtccagctgt acagcagctc aataaccttg gtcttcactt    3540
tctcagacac cctgtccccc aggtacgtca gggcctggag cgcctcccat tcctgtgggg    3600
actggatctt gtgggccagc agtcggacgg cgatctgtgg cctgggggac aagcagaaca    3660
cactccagtg cactaagcct ggggctacct ggctggccct ccttggccat ggttgttccc    3720
cttcccagtc cgctccctct cagctgcccc cacagtgctg agactcaccc ttccagctcc    3780
ttgttgatct gatcacagaa gccaattatg tattcccagt cctcctggcg gttggaagga    3840
ttggtggctt tattgagcca ggactccagg ctttcccacg aaatagtcga cc            3892
```


```
<210> 2994
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (281)...(30)
<223> similar to gi854422 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


```
<400> 2994
ggagccaccg cgcccccccgc caaatttaga cttttttgagc tctgtgcgtt gtgcctttca      60
acacttttca caatggattt tctgcttctt gataaggaag gcacccttga tcctgtcatg     120
gattcattta gcacacattg gaccacgata ggccctgctg acatgttttt ttcattgtag     180
acagcattat aagaacttta aatctcacgg cacaaacccc tcgaagtctg tctgggcaca     240
tgccacatgc caatcttgtg cctttcccaa ccttcttggt tgg                       283
```


```
<210> 2995
<211> 1642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1274)
<223> similar to gi5640019 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
      <400> 2995
cgcggccgcg tcgacataaa tgtgaggaat gtggtaaggg cttcactcag gctgcacatt        60
ttcacatcca tcagagagtc cacactggag agaaaccct a caagtgtgat gtgtgtggta       120
agggcttcag ccacaattca ccattaatat gccatcggag agtccacaca ggagagaagc       180
catacaagtg tgaggcgtgt gggaaaggct ttacccgtaa tacagatctg catattcatt       240
tcagagttca cacgggagag aaaccctata aatgtaagga gtgtggtaag ggcttcagtc       300
aggcttcaaa tcttcaagtc catcagaatg tccacactgg ggagaaacga ttcaagtgtg       360
aaacgtgtgg gaagggcttc agtcagtcct caaagcttca aacccatcag cgagtccaca       420
ctggagagaa accatataga tgtgatgtgt gtggtaagga cttcagttat agttcaaatc       480
ttaaactaca ccaagtaatt cacactggag aaaaaccata taaatgtgag gaatgtggga       540
agggcttcag ttggagatca aatcttcatg cacatcaaag agttcactca ggagaaaaac       600
cctataaatg tgagcagtgt gataagagct tcagtcaggc catagatttt cgggtacatc       660
agagagtcca tactggagag aagccataca aatgtggtgt ctgtggtaag ggcttcagtc       720
agtcctctgg tcttcaatcc catcagagag tccacacggg ggaaaagcca tacaaatgtg       780
atgtgtgtgg aaagggcttt agatacagtt cacagtttat ataccatcag agaggccaca       840
ctggagaaaa accttacaaa tgttgaagag tgtgggaaag gctttggtag gagcttgaat       900
cttcgccatc atcagagggt ccacacggga gagaaacccc atatatgtga ggagtgtggt       960
aaggccttca gtctcccctc aaatcttcga gtccacctgg gtgttcacac cagggaaaaa      1020
ctctttaaat gtgaagagtg tggtaaaggc ttcagtcaga gtgcacgtct tgaagcccat      1080
cagagagtcc acactggaga aaaaccatac aaatgtgaca tatgtgataa ggacttccgt      1140
caccgttcac gtcttacata tcatcagaaa gtccatactg gtaaaaagct ttagaaatga      1200
gaaatgtgtt accaactttt gtctgaatgc acatcttcaa gtttttggct agtccatgct      1260
ggtggtaaac cctgtaaaac tactgagagt ggaagggggt ttgttcacac ttgggaatct      1320
ttctaacaaa tccatcaaga tgataacaca gaaccatgaa caggaataga actcgtattt      1380
aggggagaaa tagggctggt ggctctcttg gtaagatcta gttaatataa atgatcacct      1440
ttcattgtga atatatgcct gaagataatg tgtggaagga tatttgccat atgctaactg      1500
gtttttttggc cagggagagt tttgggttat tatccctttt ctttaatttt cattttatac      1560
ttacagtgat cattattttc ataaaagctg taaagctatg aaaaatgaat aaaattacta      1620
aaaattttct gtaaaaaaaa aa                                               1642
```


      <210> 2996
      <211> 1759
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (404)...(1702)
      <223> similar to gi5917666 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters

      <400> 2996
```
gacccgcctt gcggaattcg gcacgaggga cccctgtgcc caggctccgt gcgagcagca        60
gtgtgagccc ggtgggccac aaggctacag ctgccactgt cgcctgggtt tccggccagc       120
ggaggatgat ccgcaccgct gtgtggacac agatgagtgc cagattgccg gtgtgtgcca       180
gcagatgtgt gtcaactacg ttggtggctt cgagtgttat tgtagcgagg gacatgagct       240
ggaggctgat ggcatcagct gcagccctgc aggggccatg ggtgcccagg cttcccagga       300
cctcggagat gagttgctgg atgacgggga ggatgaggaa gatgaagacg aggcctggaa       360
ggccttcaac ggtggctgga cggagatgcc tgggatcctg tggatggagc ctacgcagcc       420
```


                    1803

```
gcctgacttt gccctggcct atagaccgag cttcccagag gacagagagc cacagatacc    480
ctacccggag cccacctggc caccccgct cagtgccccc agggtcccct accactcctc    540
agtgctctcc gtcacccggc ctgtggtggt ctctgccacg catcccacac tgccttctgc    600
ccaccagcct cctgtgatcc ctgccacaca cccagctttg tcccgtgacc accagatccc    660
cgtgatcgca gccaactatc cagatctgcc ttctgcctac caacccggta ttctctctgt    720
ctctcattca gcacagcctc ctgcccacca gcccctatg atctcaacca aatatccgga     780
gctcttccct gcccaccagt cccccatgtt tccagacacc cgggtcgctg gcacccagac    840
caccactcat ttgcctggaa tcccacctaa ccatgccct ctggtcacca ccctcggtgc     900
ccagctaccc cctcaagccc cagatgccct tgtcctcaga acccaggcca cccagcttcc    960
cattatccca actgcccagc cctctctgac caccacctcc aggtcccctg tgtctcctgc   1020
ccatcaaatc tctgtgcctg ctgccaccca gcccgcagcc ctccccaccc tcctgccctc   1080
tcagagcccc actaaccaga cctcacccat cagccctaca catcccatt ccaaagcccc    1140
ccaaatccca agggaagatg gccccagtcc caagttggcc ctgtggctgc cctcaccagc   1200
tcccacagca gccccaacag ccctggggga ggctggtctt gccgagcaca gccagaggga   1260
tgaccggtgg ctgctggtgg cactcctggt gccaacgtgt gtcttttgg tggtcctgct    1320
tgcactgggc atcgtgtact gcacccgctg tggcccccat gcacccaaca agcgcatcac   1380
tgactgctat cgctgggtca tccatgctgg gagcaagagc ccaacagaac ccatgccccc   1440
caggggcagc ctcacagggg tgcagacctg cagaaccagc gtgtgatggg gtgcagaccc   1500
ccctcatgga gtatggggcg ctggacacat ggccggggct gcaccaggga cccatggggg   1560
ctgcccagct ggacagatgg cttcctgctc cccaggccca gccaggtcc tctctcaacc    1620
actagacttg gctctcagga actctgcttc ctggcccagc gctcgtgacc aaggatacac   1680
caaagccctt aagacctcag ggggcgggtg ctgggtcttt ctccaataaa tggggtgtca   1740
accttaccca aaaaaaaaa                                                1759




     <210> 2997
     <211> 2492
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (17)...(1689)
     <223> similar to gi1430783 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




     <400> 2997
agttgcgtgg aatttatcca aatccagacc gtgggtgccc tttccccacc accatcccag     60
ctgttctcac cctgggaagg ggagcggcgg gttggcacgg ccagtgtcct ccaaccagtg    120
aagaagcgca aagtggacat gcccatcact gtgtcctacg ccatctcagg gcagccggtg    180
gccaccgtgc tggccattcc acaggccag cagcagagtt atgtgtcttt gaggccagac     240
ttactgacag tagacagtgc ccacctgtac agtgccactg ggaccattac tagccctaca    300
ggagaaacct ggaccatccc tgtttattct gcccagcccc gggggggaccc tcagcagcag   360
agcattaccc acattgccat tccccaggaa gcctacaacg cagttcacgt cagtggctca    420
cccacagccc tggcagctgt taagctggag gatgacaagg agaagatggt gggcaccaca    480
tctgtagtga aaaactccca tgaagaggta gtgcagaccc ttgcaaactc tctctttcca    540
gcacagttca tgaatggcaa catccacatt ccagtggctg tgcaggctgt ggcaggcacg    600
taccagaata cggctcaaac tgtccatata tgggaccccc aacagcagcc gcagcagcaa    660
actccccagg aacagacacc accaccacag cagcagcagc agcaactcca agttacttgt    720
tcagctcaaa ctgtccaggt tgctgaagtt gaaccacagt cacagccaca gccttcccca    780
gaacttctgc ttccaaattc tttgaagcca gaagaagggc ttgaagtatg gaaaaactgg    840
```

                                    1804

```
gcccagacca agaatgctga actagagaag gatgctcaga acagattggc acccattggg      900
aggcgccaac tgctgcgatt ccaggaagat ctcatctcct ctgctgtggc agagttgaat      960
tatgggctct gtctaatgac acgggaagct cgaaatggag aaggtgaacc ctatgaccca     1020
gatgtgctct actatatttt cctgtgtatt caaaagtatc ttttgaaaa tggaagggta     1080
gatgacattt tctccgatct ttattatgtt cggttcacgg agtggctaca tgaagttctg     1140
aaggatgttc agccccgggt cactccactt ggctatgtct tgcccagcca cgtgactgag     1200
gagatgctat gggagtgcaa gcagcttggg gctcactccc cctccacctt gctgaccacc     1260
ctcatgttct ttaataccaa gtacttccta ttgaagacag tggaccagca catgaagctg     1320
gccttctcca aggtcttgcg acagacaaag aagaacccct ctaatcccaa ggataaaagc     1380
acgagtatcc ggtacttgaa ggcccttgga atacaccaga ctggccagaa agttacagat     1440
gacatgtatg cagaacagac ggaaaatcca gagaatccat tgagatgtcc catcaagctc     1500
tatgatttct acctcttcaa atgcccccag agtgtgaaag gccggaatga cacctttttac     1560
ctgacacctg agccagtggt ggcccccaac agcccaatct ggtactcagt ccagcctatc     1620
agcagagagc agatggggaca aatgctgacg cggatcctgg tgataagaga aattcaggag     1680
gccatcgcag tggccaatgc aagcactatg cactgagatg ccttggccat ggcacaagag     1740
aaaccagcca ggaaaaacca gacagacttt cacactaaag aagaggcctc catttttttt     1800
tttctttttt ttattggggg agttacgaag cctttcaggc tgcttctgtt taaaatataa     1860
aagaaaactt tgcccccttt gcatcttcat aaacctgctg cgggcagact cctcagccga     1920
tggtggctct gggtttcctt gagtgtcata tgtcctagaa agttgctggc tgactctttt     1980
ttgtctgggg cctggggaaa gggcttggac tgtgaaaaga aatgtgggcc cctttccatc     2040
ttcaagagag atggaattaa tgatgggatg ggaccctggg gagggaatct tcccccagcc     2100
gacttcccac tgggctgacc agactttgct ggacccacag ggggaacgat ggtcctttcc     2160
cttccctcca tggatcagcc ataaccttag gcaccttaat gggaagaaaa atgaggggga     2220
acttcaatta tgatttatta aagacaattt ctattacacc ctcctttatg acaagtgaca     2280
ttttagatgt aaaagtaaaa actttaccat gccttttttt ttttttgtt ggcctaacat     2340
tgaggcctta aaacctgagg ctcctgtgcc tgatggaatt cttgtaacat acacttgtgt     2400
atcatataaa gataccactc tgtttctctt atgtattctt actctagttg tttattaaga     2460
atgacaagca cgtcttttca aaaaaaaaaa aa                                   2492
```

<210> 2998
<211> 1459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(301)
<223> similar to gi1872200 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2998
```
tttttttttt ttgagatgga gtttgttgcc caggctggag tgagtggcac agtctcggct       60
cactgcaacc tccacctcct gggttcaagc agttctcgtg ccgcagcctc ccaagtagct      120
gggactacag gcatgcgcca ccacgccagg ctaatttttg tattttttagt agagatgggg     180
tttcaccatg tctcaaactc ctgacctcag gcgatccacc cacctcagcg tcccaaagtg     240
ctgggattat aggcgtgagc caccgcacct ggcctatgag tggtctttta attaggaaca     300
aatctaatgg aaaggagagt tgactgaagt tggcccacag gattgtgaag ctggcagtg      360
ccttcatgaa ggcttgccac cttgggacgc cccagtttac tggggtgtct tgcggagtgc      420
agaaggcttt ctggcagctg cctgggtttg gccagaccct gcctcccctc ccgccggcca      480
accccctagtc cccttcctgt ctccacttgc attcagggt ggctgctgtt ctgagaacat      540
```

```
tagaactggg  aagagagatg  gagtcacatg  gattttggt  gggcattatt  ctaaacttttc       600
gtatccaagt  tagtcccct  tattccactg  tggcattgcc  gttctaagca  gttacctgat       660
gcctgctgct  gaagagctgc  tcacaggagg  cggcggcggc  cctggcactg  ccccttgcat       720
taggtcttgt  gtttgatgtg  ttcttgtgaa  tttactttgt  cagaacaaaa  tatttacgcg       780
ttgggttcag  gaatttcttt  tagctcccca  tctggctgtg  aaattcagga  aacctcccgt       840
tgcctagtaa  tcaccccatg  taggtgtaca  ttgtgacaaa  gtgcatctga  ccactaaggg       900
gcccccttgg  tgaccccagc  acattcacag  cagtgttaga  atggcctgca  ttttggagat       960
gctggctggc  ctttcagtgc  ctcccaggaa  gacacatggc  ctttccctct  tcagatgcct      1020
gaagggagtg  ctttgaggca  ggtgatgtgc  tgggagtgtg  ggcggcctcc  ctctggcccc      1080
ggggccctct  gtggaccttg  gctccctccg  tggacctggg  cttcgtggtg  agcactgcag      1140
cctccctggg  cattccctcc  agcgccagca  ccactgcaac  atatagacct  gagtgctatt      1200
gtattttggc  ttggtgtgta  tgctcttcat  tgtgtaaaat  tgctgttctt  ttgacaattt      1260
aagtgattgt  tttgtttact  gtaagtttga  aaataaaaat  gaagaaaaaa  attccaatga      1320
ctgtgctgtg  gttggagact  ttatttacca  agatgtttac  tcttccttttc  cccttccatt      1380
ttgaggagct  gtgtcactcc  tcctcccccc  cagtgctttg  tagtctctcc  tatgtcataa      1440
taaagctaca  ttttctctg                                                       1459
```

<210> 2999
<211> 2852
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2855)...(2359)
<223> similar to gi3002527 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 2999
```
ctacgagtac  gtcggcgccc  gcacctcccc  gcaccgcccg  cgctgcgcgc  ccggaggagc        60
gaccgccgca  gttctcgagc  tccagctgca  ttccctccgc  gtccgcccca  cgcttctccc       120
gctccgggcc  ccgcaatggc  ccaggcagtg  tggtcgcgcc  tcggccgcat  cctctggctt       180
gcctgcctcc  tgccctgggc  cccggcaggg  gtggccgcag  gcctgtatga  actcaatctc       240
accaccgata  gccctgccac  cacgggagcg  gtggtgacca  tctcggccag  cctggtggcc       300
aaggacaacg  gcagcctggc  cctgcccgct  gacgcccacc  tctaccgctt  ccactggatc       360
cacacccccgc  tggtgcttac  tggcaagatg  gagaagggtc  tcagctccac  catccgtgtt       420
gtcggccacg  tgcccgggga  attcccggtc  tctgtctggg  tcactgccgc  tgactgctgg       480
atgtgccagc  ctgtggccag  gggctttgtg  gtcctcccca  tcacagagtt  cctcgtgggg       540
gaccttgttg  tcacccagaa  cacttcccta  ccctggccca  gctcctatct  cactaagacc       600
gtcctgaaag  tctccttcct  cctccacgac  ccgagcaact  tcctcaagac  cgccttgttt       660
ctctacagct  gggacttcgg  ggacgggacc  cagatggtga  ctgaagactc  cgtggtctat       720
tataactatt  ccatcatcgg  gaccttcacc  gtgaagctca  aagtggtggc  ggagtgggaa       780
gaggtggagc  cggatgccac  gagggctgtg  aagcagaaga  ccggggactt  ctccgcctcg       840
ctgaagctgc  aggaaaccct  tcgaggcatc  caagtgttgg  ggcccaccct  aattcagacc       900
ttccaaaaga  tgaccgtgac  cttgaacttc  ctggggagcc  ctcctctgac  tgtgtgctgg       960
cgtctcaagc  ctgagtgcct  cccgctggag  gaaggggagt  gccaccctgt  gtccgtggcc      1020
agcacagcgt  acaacctgac  ccacaccttc  agggaccctg  gggactactg  cttcagcatc      1080
cgggccgaga  atatcatcag  caagacacat  cagtaccaca  agatccaggt  gtggccctcc      1140
agaatccagc  cggctgtctt  tgctttccca  tgtgctacac  ttatcactgt  gatgttggcc      1200
ttcatcatgt  acatgaccct  gcggaatgcc  actcagcaaa  aggacatggt  ggagaacccg      1260
```
```

                                      1806
```

```
gagccaccct ctgggggtcag gtgctgctgc cagatgtgct gtgggcctttt cttgctggag  1320
actccatctg agtacctgga aattgttcgt gagaaccacg ggctgctccc gccctctat    1380
aagtctgtca aaacttacac cgtgtgagca ctccccctcc ccaccccatc tcagtgttaa    1440
ctgactgctg acttggagtt tccagcaggg tggtgtgcac cactgaccag gaggggttca    1500
tttgcgtggg gctgttggcc tggatcatcc atccatctgt acagttcagc cactgccaca    1560
agcccctccc tctctgtcac ccctgacccc agccattcac ccatctgtac agtccagcca    1620
ctgacataag ccccactcgg ttaccacccc cttgacccc tacctttgaa gaggcttcgt     1680
gcaggacttt gatgcttggg gtgttccgtg ttgactccca ggtgggcctg gctgcccact   1740
gcccattcct ctcatattgg cacatctgct gtccattggg ggttctcagt ttcctcccc     1800
agacagccct acctgtgcca gagagctaga aagaaggtca taaagggtta aaaatccata    1860
actaaaggtt gtacacatag atgggcacac tcacagagag aagtgtgcat gtacacacac    1920
cacacacaca cacacacaca cacacagaga aatataaaca catgcgtcac atgggcattt    1980
cagatgatca gctctgtatc tggttaagtc ggttgctggg atgcaccctg cactagagct    2040
gaaaggaaat ttgacctcca agcagccctg acaggttctg ggcccgggcc ctcccttttgt  2100
gctttgtctc tgcagttctt gcgccctttta taaggccatc ctagtccctg ctggctggca   2160
gggggctgga tgggggggcag gactaatact gagtgattgc agagtgcttt ataaatatca   2220
ccttatttta tcgaacccca tctgtgaaac tttcactgag gaaaaggcct tgcagcggta    2280
gaagaggttg agtcaaggcc gggcgcggtg gctcacgcct gtaatcccag cactttggga    2340
ggccgaggcg ggtggatcac gagatcagga gatcgagacc accctggcta acacggtgaa    2400
accccgtctc tactaaaaaa atacaaaaag ttagccgggc gtggtggtgg gtgcctgtag    2460
tcccagctac tcgggaggct gaggcaggag aatggtgcga acccgggagg cggagcttgc    2520
agtgagccca gatggcgcca ctgcactcca gcctgagtga cagagcgaga ctctgtctcc    2580
aaaaaaaaaa aggccgggcg cggtggctca cgcttgtaat cccagcactt tgggaggccg    2640
aggcgggcgg atcacgaggt caggagatcg agaccatcct ggctaacacg gtgaaacccc    2700
gtctctacta aaaatacaaa aaaaattagc cgggcgtgat ggtgggcgcc tgtagtccca    2760
tctactcggg aggctgaggc aggagaatgg cgtgaacccg ggaggtggag gttgcagtga    2820
gccgagattg cgccactgca ctcccgcctg gg                                 2852
```

<210> 3000
<211> 2028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2029)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1802)...(1098)
<223> similar to gi5420387 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3000
```
ttttttttt ttgctataaa attatctcgg gtttaattat tatcaatatc agaactatag     60
aacattaacg gtactaaacc tgtatttaca attacatgta caaaaaaaaa tgttctttgt    120
gaggagcaat tttcagcaaa tctgacaaac agcaagagtc attcctattt tgggtttgaa   180
aagagaaatg ggaaatttcc aaggacggcc cccctcctcc ctctcactcc agtggaccct    240
ctggaacatc aatttggcaa agggcctgag gtagaaaggg aggtattaac aatatcaggc    300
```

```
actcattctt cccctcttat gaaagggatg aatttttagg aaccgttttc catcatttat    360
tatactgatg tgccatccat ctgcatcatt aggttcagta gttaccatga caatatgatg    420
cctacagcaa tctaacttga tagccacatg ccagaatgtg aaaaaatagg accagctaag    480
aaagtgagag aaatataatt aatctgagcc acattcaaaa aaatgtgcac aaaactagga    540
ccaagaggga aactgctgaa atatcattga agaggaaatt ataaagggca gcaataatca    600
agtttcagta taaaaacttt tgctaaatag agccatgtat tggtctatta ctaagacagg    660
aagtagtcaa agttggtcta gaatattgtt ctgagcccct gcccctcccc ctgcttccca    720
tttcttgcta cagggccctg cggtatcatc tttgattcta gctgttaggg ccctaatttc    780
cccaaggctc tcaagccacc accataagtg ccaccaccat gtcactctgc tcatgtgcag    840
tctgctatta gacccagact ttccacctga tgaaataatt tccatcattg tgaagttaat    900
cttaagagac tgaattgtgc tgtgtcttga gagatcctgt cctcttgcct tctaagtgcc    960
cggtggaggc atcgggctag cacaaacctc ttgagggtcc caatatggta gagaggggct   1020
gggagattga gaaaaagaga gcaagaaagt ttcagtcctg ggagatgagc ctgggacgtg   1080
tgtttattct cagcatggct gggtgggata gcgacgctga gctaggcgat ttggccgatt   1140
caggctagtg gccgtgggca gctgaggcac ctgagatggg ttgtaaagag gaacagcccc   1200
ttttaaggca ggtggaggaa gaagaacacc agggttggag cagagctcaa aggaaacact   1260
ctctggtcca gacaagcctc caaccccagc gcccgcagct gctcccccgc tggatgcgga   1320
atcctcggcc cttcacccc nacctctgcc cctggagaag gcactaacat ccggcagagg   1380
tggggactca ggggaaggtg tcagtgagag gcccaggcca gcctggtggg gagaagatgc   1440
tctgggggtc tcctgctcag agtcagggct gtctgaggag tcctcgtctc cagcgggga    1500
tgcgttcttg gtgggcttcg atcgaaacca gctgaaccag ccaaaccctg agctctttgt   1560
atgctccttc ccatctccga gcttgcctct ctgggcagta tttcggggag agtttttatc   1620
agcctcatca gaggactcct tctcatcctc cttggctgaa ctggcggaac tctcagaaat   1680
acttcgtgct ctagcagcca atggtgtctg tggtttggaa atgacctctt ggccatcagg   1740
aggctgggaa gtttcttgag acactgtgtt ctctccaggg cccaggtgtg tctgcagcat   1800
ttcctcccag actgttcctc cagtggcctc tgtcactgcc acgctgctgc cagtccctgg   1860
tagatgggtc tcaggcactg agtaaaaagg cctcggtgtc cctgtctgcc ctgcacccc    1920
tcctgttggg taggagcccg gctggagggg aaagggcccc tgtggtctgg gctggagcag   1980
gcaggtctga tcaggtgtca gccacagagc tgagcgccca cgcgtccg                 2028
```

<210> 3001
<211> 1697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1698)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1685)...(489)
<223> similar to gi2317934 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3001
```
ggctgctggg tgtcctggca ggcacgtcct gtggggtcag cacgccggct gcagcgcagg     60
gtgggcctga gatcgggtgc cgggcccccc atctccacct gtctggacac gcacccctgg    120
cctgtccttg cagcttcctc ccgacatccc ttggcggtgt ctgtgtctcg gccccagccc    180
```

```
cagccctcct ttcctggggc accctcccag ccatctggta ttggggctgc ccccattgcc       240
tagtcctggg cccagggcca gcccactctg ggctggcttt acttgtctgt tcctaatggc       300
agggcgtccc aggaacagcc ccataagagc tggtagaaac aggagggagt ccttgtcagc       360
aggcatcttc gagctttttg ttttgttttg taaaaagcgg ttaaccagca agttacataa       420
aagcttattt gttcccactg aattttccac acctcacacg tgagtcccag ccatgcagtg       480
cttgtgaggg agcatcaccc cttgccgcct ggctgggcgg ggccctgggc tcagaggggt       540
cagccacaga ggaagcgcct gtcctgacgt gtagcggcca ggacctgggc gctggagagg       600
ggccagctgg gtgaagacgg ctcccggggg cactggcgca cacgaggtgg ggtctctgtc       660
cagcctgggt aggcatgagc tgagctcgag tgagggccct gcctgcccac agcacggggc       720
cccagcgctc taacccggcc atttgcccgt gcagcctgtt gcgctgtccc cacctgcggg       780
gcctgcagat ggctgcgtgt ggctcactaa cctaaagcat gtgtttcttc cctctgctgt       840
ccaccgctct ggtaggcact tacctgggta agtagttttt gtgctactgg ccagccctgg       900
gcgctgggcc ttggcttgtg gcaggtgccc tgaggtatgg ctgttcctgc ttgggagcgc       960
cgcagatcag gcacctgggc ccccacctga ccctgcccgg cagagctaag caaactggca      1020
gggaaaggct gacccagggc tccagggccc cagtttggnc cccaggggag tgccccaagt      1080
taggaggcaa ctgcaggtgg ggaggggctg gacaggctgc ttctgttcct taagggatgg      1140
gcctcagcta agcagcgttt ctggagctgg caggttgctc cgatgcccct gggccctggc      1200
acctgactga gttgagtatg acgtcctgtc ctctctgagc tggtcctgct gggagccgag      1260
ccatcctggg accagctccc acatgcacac gcccacacct acacgcaggg cagtggggaa      1320
gggcagtgag tgggggaggg cagcggcggt cctgggccca gctgggggtg accaggagca      1380
tggaccccgc ttcttggccc aactcccgca gtgccccttg ggctcctcac cctgcactgt      1440
gggaagtcag aggcctctgg cacccatcc ccaagcacat gccaaggtgg ctggggccca      1500
cccagggcag agggtggtga cctgtttctg gccggggctg gcggctctct cagagcctta      1560
agaaaaagcc cggcctcctg gtggggcagt gccggccaca gcgaggctgc cctgcagagg      1620
ggcttgtgcc gctgctggac tgacagcctt gcgaggcttt gcttgcctcg gcacggcagg      1680
caagtgggtg gacagcg                                                      1697


        <210> 3002
        <211> 1132
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (7)...(672)
        <223> similar to gi3183977 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 3002
        ctgtttgggg aaccctacat ctttgaagaa cttctgagct tgaagatccg catctctcca        60
        gatgccttt tccagattaa cacagctggt gcagagatgc tgtatcggac tgtgggggag       120
        ctgactggag tgaactctga caccatcctt tcttgacatc tgctgtggaa ctggtgtgat       180
        tggcttctct ctggctcagc atacatctcg ggtccttgga tttgaattgt tggagcaggc       240
        agtggaggat gcaagatgga ctgcagcctt caatggcatc accaactctg aatttcatac       300
        tggtcaagca gagaagattt tgccagggct gctaaagtca aaggaagatg gacagtcaat       360
        tgttgctgtg gtgaacccag cccgtgccgg actgcattac aaggtgattc aagccattcg       420
        aaacttcagg gccatccaca cgctagtttt tgtttcctgc aagctccatg gtgaatccac       480
        taggaatgtc attgagctgt gctgtcctcc agaccctgct aagaagctct taggcgagcc       540
        ctttgtcctg cagcaagctg tacctgtgga tttgttccct cacaccccac attgtgagct       600
        ggtgctcctc tttactcgat aagcagcctc ctagaagaca gcaggctatt tgttaaggct       660
```

```
gaagtttcag aaactttcag gtttggcata ttgctacatt gcagaccctg ggagcattac    720
agtggaaacc aatctttggt ttgtgaatag gaagaatcta ttaggcctct ggtctgaggc    780
agattttttt tttgagatag agtctcactc ttgcccaggc tggagtgtcg tggcgtgatc    840
tcagctcact gcaacctccg cctcccgggt tcaagtgatt ctcgtgcctc agcttcccca    900
gtagctagga ttaaaggtgc gtgccaccat gcccggctaa tttttgtatt tttggtagag    960
acagggtttc accatgttgg ccaggctggt ctcaaactcc tgacctcaag tgatccaccc   1020
gcctcggcct ctcaaagtgc tgggattata ggcgtgagcc accacacccc gccgcggctg   1080
acttaacctt agatttcaga ttccctttca atcatgcccg tttgcttggg ct           1132
```


<210> 3003
<211> 2433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(1350)
<223> similar to gi3892150 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3003
```
aattgacccg cgctgctgga attccgtacg aggcttatgg acctcggcca gctcagaggg     60
gtgcccgcat accgagtcca cgtataaaga gtcggatcac tgctcactgg tgatgccttt    120
acacatgtgt gactgggaga aaggacagga agatttattg tacagaccta agaaaccctg    180
acattcgggt gctaatttgt gaagaaaaag caccagttct caagatggag cttgatagat    240
cagctgatcc tcctcctgca atttgggttg caacaactaa gtctacagta aataaatgga    300
ctttgaaagg aattcataat tttagagcct ctggagatta tgacaatgac tgtacaaatc    360
ctataacacc tctttgtaca caacctgacc aggttattaa aggggggtgct agtattattc    420
agtgccacat tcttaatgat aagagacata tattaaccaa agataccaat aataatgtgg    480
catattggga tgtattgaag gcatgtaaag ttgaagatct gggcaaagtg gattttgaag    540
atgaaattaa gaaaagattt aaaatggtgt atgtgccaaa ttggttctca gtagacttaa    600
aaacagggat gttaactatt actttggatg aaagtgattg ttttgctgcc tgggtttctg    660
caaaagatgc tggtttcagc agccctgatg ggtcagatcc aaaattgaat ttaggaggac    720
ttttactcca agcactcctg gaatattggc ctagaacaca tgtgaatcca atggatgaag    780
aggaaaatga agtaaaccat gtaaatgggg agcaggagaa ccgagtgcag aagggaaatg    840
gatattttca agtgccccca catacacccg tgatctttgg tgaagctgga ggtcgcacac    900
tgttcaggct gctctgccga gattccgggg gtgagactga gtctatgctt cttaatgaaa    960
cagtgccaca atgggtaatt gacatcactg tggataaaaa tatgcccaaa ttcaacaaaa   1020
ttcctttcta cctccaacct catgcatctt caggagcaaa aaccttaaaa aaagatagac   1080
tctctgctag tgacatgctc caagtccgaa aagttatgga acatgtttat gaaaaaatta   1140
tcaacttgga taatgagtct caaaccacta gctcttctaa taatgaaaaa ccaggagaac   1200
aggaaaaaga agaagatatt gctgtgttgg cagaggagaa aattgaactt ttgtgccagg   1260
accaggtttt ggatccaaat atggaccttc gaacagtgaa acacttcata tggaagagcg   1320
gtggagacct caccctccat taccgtcaga agtccacgtg aaggctgggc taatgctcct   1380
ggatattcat ttacgacctt cctctatggc cccaagagta gtcctaggaa gcccactgat   1440
ccccaacggg agcaagactt ctaacggttg attggtatgg accgagatta tctttcaatt   1500
gaagtgacta atcgagatgt aatatagaaa ccagtctcca tgtgtagatt aagctgtccc   1560
cagggaagca gagtgcaaga gcagaagagc cccaagcaga ctatgtcttt caagatgtac   1620
agaagactga caacaggcca gtgcagactt tgcttcctcc ttttgtttca aaggacctta   1680
tctacccatt aacacttgtt agagacacct cagtcgggcc acaactgtct ctgtttcaac   1740
```

```
tttaagccca cacactctgt agcttttcta aaacagtaca ttccattcat gcagtagata    1800
tgaaggcttt ttccaagttt gtcatataaa gtaatcaaat tgttttcacc gtttaagaca    1860
gttattttta atgggaattt gctgttgcac aatttgagaa ccagcccatt tcataataaa    1920
agattaatgt tgggcttgtt gttaatattg catctcagat gtgttcttgt aggaagatct    1980
gttgaaattc caggtgctgg atcatagcac ttggactgtt gggccggagt ttgtgcagcc    2040
catgcctagc gatgctgcac ctcccatgat gtcctggctt tgtggcaacc ccagggaggt    2100
gcagcagttt cactccttcc tccactgtgt ccagttttat ttacacaaag cgagctgaga    2160
ccacaggttc ttgctctgga tgagcagcat gacaccatca aaatttaaga ccatgatgaa    2220
atttcagttt cattcaaatg ttacctaaaa tttatggtgt cagaataaag ggagatcata    2280
gtgagttaat ttgatattca tatcctggaa gtatacatat ttgtttttcc aaagtttat    2340
atgcaggttt ttgttgtacc tgtatccaga tcttcttttc actgttctaa caatctaaca    2400
ctttcataga atcatttgga tcttggtcga cgc                                 2433
```

<210> 3004
<211> 2227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2228)...(332)
<223> similar to gi1845577 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3004
```
tttttttttt tccgttttgt tatttaatca tatattttta cttgtatcta agccaggtcc      60
tttggcaatg aggaggtgtg cagggatcgg ggtgaggaag tgcaggactg gatggacatt     120
taaggtaggg cagctttggg ggatgccact tccaaatgca atggggacca tcactgtgta     180
ttccccatag ttgtgtggtg agcagctctg gataccctga ccacaaagct ttggggacaa     240
tttgttcacc agaagatgtg aggaggacgg aatactcaaa ggcactcaga gatggtggag     300
ctttggagct gaggcgggca aggcatctca gatggtcacg ctgtttctct accatgctgg     360
gtcaaaggta ctcacacggc aggttcagga ctgcattccg gacctcaatc tccttgtcca     420
tggaagccag ttcctcctgg aattgtctca gcacagcttg gggctcagga ccagagaaat     480
atttctcctc atgcatgaca ggctggcgtc tgccaaggaa ctttgtgaag gtcttttgca     540
tacgtgcctg gtggagattg ggcagtaagt ccactatatc cttctctgtc acatccttag     600
agatgggcgg gggcttctgc atggtgcatg ggccattagg gatccaggag taccagtcca     660
gctggcccag gtggttagaa gcatgctgac ctgtgcatgt gaagatgcac atggtgacaa     720
agtggcagag ctgagcccgg gactctaagg agatgaggaa cccctggtct tgggccctct     780
gcagtccagt ctcagtcatc tctctgcacc aggcctgcag ctctagatca tccttcatgg     840
cttggtcact attgtagaaa agcccaacca tcccctccac gtacctattc ccggctgatg     900
attccccaca gcctgatggc atcttagcca taaaagaag atttcacatc caggagccca     960
cggtcagcca ggtcatcagg aggacagagg gaatgatagg tcaaacaagc catggctctc    1020
tgaagaatgt ccacgtggct tccactacca gtgctcacca ccaggtcaaa aattccccat    1080
tcggagacaa gactactctg ggccagcgtg ttgatcgcca tggtgtagcg gaagtggggg    1140
atcaggagct tgtagatagg atggaggcta ggcaagcttc tcattgtagc cacagcaata    1200
acctcagcaa tcaagtgtcc cctcagcaga tgtgactgta actgctgcag ctggaaatca    1260
gagctccgga cccaggtctt ggccaggagc caggccatgg ggggatgcga gggcagaaag    1320
agcagaggtg ggggacatcc gtgtcaaggt ggctggagct ggatgaccat gggtaagagt    1380
cctccatcag gctgaagctt cagcacgacc aaaggggctg ccacgcattg ctgcttaaaa    1440
atgatgacat taggcttgac tccatccagc aaggagaaat ccacttcaaa cagagatcca    1500
```

```
gcctggagtt ctttctccag ctgggtcttc aagtcttcca tccctggagg cagcaccagg    1560
caggctggga gccttgaaga acacctcagg agcatggggt ttgcaccatt gagaaactgg    1620
tacccaaaga aggcatcatt cttccaagaa tcataaaccc gctcagccag gacagtcttt    1680
ccatgtggga atatttttt gaaatcttcc agccttttca cacaatttat gaaatccagt    1740
gtccccttaa tggccaagtc cttcaaccct tttgctaggg agacattaaa gtctaaatcc    1800
ttatcctcga ggaatcgctc gtccctagga aggtccggtt gcctattccc tgctataggc    1860
aggattaacc catctttcca ggagccccac cagtaccctc aggcaggcag ataattccgt    1920
ggccctgcac ccagcggtag caggggaaaa aggccgcgcc ttgggtcccc gggccctgca    1980
ctgagatcca cttgcagaac cagtcgagac tcaacagcac gttgtgtttg cgcagcttca    2040
ccatcaggag gcgccccagg tgcagggggа cgtcgatctc aaactctgcc tcctttcccc    2100
acaccggtgg cagctgcttc cctaggtctg cctccccgtg ctcgcccacc agccatagct    2160
gcaccaggtt gggagagccc gccaggagca aatccccggt ggctacgcgg accgtgtact    2220
tgcccat                                                                2227
```

```
<400> 3005
tgggcttcgg gcgacagtag caacaaccac aaaccacgag agtggctgga gatcgatttg     60
ggggagaaaa agaaaataac aggtgcagaa aataacacaa gtgccaagtg caggagtagt    120
ttcatgactg taaatgactc gcagttgaaa atacgcttat tgtttacata ggtgcttctc    180
tacctacctc caagttcttg aaatatttga aaatgtaaca aatctttaca ttctttctgt    240
gaaaagaatc tgtatgcaag ttgtaaatat ggatatatgg attagagaga taattcttca    300
atggtgaaat ctttatatgg tgtattgtca gtgtgaaaac attaatctgt gaagagattt    360
ttaaatgcaa ctaatataag ttggcctgtg agatgatctg aggtttcaaa tgagggagaa    420
aaaaatgaaa cttgaaatta taatagatgt tatatttaac aaacttttaa aaatagcctg    480
gtaaatatta ttttcttaca aggaattagg accacaggat ctacacagtc gaacttcaac    540
ttttatgtta agagttttgt gatgaacttc aaaaacaata attctaagtg gaagacctat    600
aaaggaattg tgaataatga agaaaaggta agaggtaacc ctagaggcaa gagaactgag    660
taggagaaca ggcctctata tattttcatc aatgtgttta cattaaatat ctcattaata    720
aaagacagtg aggccaagca tggtggttca tgcctgtaat ccccaagctt tgggaagcca    780
aggcaggagg atcatttgag accatcctgg gcaacatagc aagaccccac cactacaaaa    840
aaaaattttt aattacccaa atgtggtggt gcacacttgt agtcctagat acttggaagg    900
ctgaggcagg aagatcactt gagcccag                                       928
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(294)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3006
tttttttttt ttgagatgga gtcttgctct gtcgcccagg ctggagtgca gtggcgcaat   60
ctcggctcac tgcaacctcc acctcccggg ttcacgccat tctcctgcct cagcctcccg   120
agtagctggg attacgggcg cccgccacca cgcccggcta attttttgta ttttagtag   180
agacagggtt tcaccgtgtt agccaggatg gtctcgatct cctgaccttg tgatccaccc   240
acctcggcct cccaaagtgc tgggattaca ggcgtgagcc actgcgcccg gccacattca   300
gttcttatca aagaaataac ccagacttaa tcttgaatga tacgattatg cccaatatta   360
agtaaaaaat ataagaaaag gttatcttaa atagatctta ggcaaaatac cagctgatga   420
aggcatctga tgccttcatc tgttcagtca tctccaaaaa cagtaaaaat aaccactttt   480
tgttgggcaa tatgaaattt ttaaaggagt agaataccaa atgatagaaa cagactgcct   540
gaattgagaa ttttgatttt ttaaagtgtg tttctttcta aattgctgtt ccttaatttg   600
attaatttaa ttcatgtatt atgattaaat ctgaggcaga tgagcttaca agtattgaaa   660
taattactaa ttaatcacaa atgtgaagtt atgcatgatg taaaaaatac aaacattcta   720
attaaaggct ttgcgtgacg cccgagtagt tgggattaca ggcatgtgcc accatgccca   780
gctaattttg tattttagt agagatgggg tttctctgtg ctggtcaggc tggtctcgaa   840
ctcctgacct caggtgatct gtctgccttg gcctcccaaa gtgctgggat tacaggcatg   900
agccattttg cctggccaaa attaatactt tttatattaa atttacatat atatatatat   960
atgcgttttc ttttgatac cgggtctcac actgtcaccc aggctggagt acagtggcac   1020
aacctctgct c   1031

<210> 3007
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(789)
<223> similar to gi2723316 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3007
atactggaaa aaaatcatac aaattggaag actgtggcaa aatcttttaa gtattgctca   60
aatatatcca gccataattc atactaaaga ttatgcctat gaacctaagg aagtttggca   120
aagcttatga atacacctca aactttccta agccttggag aaatatcagt gagaaacctc   180
agaaaactga acaatgtggc aagcccttta aatggttgtc acatcttact gtaggtaaaa   240
taattgatag tggagaaaat ctctacaaac aaagaatgtg tcaaaacttc taacatgctc   300
atactttatg gcacataaaa gcgtttatac ttgaaaaatt atacagagtg tggaaaagcc   360
atttctatct gctcacatca tagtcaacat caggaagttc atacttaata aaattattat   420

```
aaatgtaatt actgttcaaa gaccttggaa aatataaacc cttaaaataa aaaagagtat    480
tctggagaca aacattacaa atataaagag ggttgtaata cctttacttg ccctatataa    540
tgtacagatt ttacactaga agaaaactct aaaggaatta ctcaaacttg tttggcatca    600
gagaatttat gttgaaggaa accgtacaaa tgtaataagt gtggaaaaac atttgttcag    660
aaactacagc ttacaaaaca ccacacagtt tataataaaa aatatttttg cagatggaat    720
acatatgtaa aaatatttag tcaaaattaa gtctttgtaa actttagaaa attcacggta    780
gggagaacta aggcactggc acttaagacg ttacactaaa tcagaatgtt ctgtaaagaa    840
agtaatccaa agctaaaact gttggataat ttatttgtat ataag                   885
```

```
<210> 3008
<211> 1126
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(826)
<223> similar to gi1850098 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 3008
gtggcgccgg gagcaaaagc agcatgatgc agctcatgca cctggagtcc ttttatgaaa     60
aaacctcctc ctgggcttat caaggaagat gacactaagc cagaagactg cataccagat    120
gtaccaggca atgaacatgc cagggaattt ctggctcaca caccaactaa aggactttgg    180
atgccactgg agaaagaagt caaagttaag cacttacttt tcattggatt gcttcataat    240
ttcttggtga tggaaaattc attcctaaag caacaagatt aaaggatgtt tgggtaagca    300
attagtttac ctgtcttttc tgggacctta cacggttcat ccatgattgc attttctttt    360
agaattggag tttaatgaat aaaaacttta atataatcta ctgattcttt atctcactaa    420
ggtgaaacac tcttatctta cagaaatatt tccccttttc tttgctttta ggttggcatt    480
gcaaatggta cggtcaccga acaggctaca aagaatgccc tttctttatc aaagacaacc    540
aaaagttaca acagttcaga gtagcacatg aggatttcat gtatgacatc atacgagaca    600
ataaacaaca tgaaaagaat gtaaggatac agcagttaaa acagttactg gaggattcta    660
cctcaggtga agataggagc agctccagtt cctctgaagg taaagagaaa cacaagaaaa    720
agaagaagaa agaaaagcat aagaaaagga agaaagaaaa gaaaagaag aaaaaacgga    780
agcacaaatc ttccaagtca aatgagggtt ctgactcaga gtgacaagga tgtgacttgt    840
tcaacattct cttctcaaac actgaccaag gaacagagga agatgcagtc agagaaagca    900
gcaggataga gacgccgaga gaggagtata tgtgggtcac agcagtgagc tcccacccgc    960
cttgcagtga agatgtgacc ccaggagagg gagtgtctcc ttccaggtgc tagctctgga   1020
cagcagctga ttttaggcag gaaagtttct tcatcgttgt cctccctgct ggtcacatga   1080
gtttacgatt cctttgaagt gtctcccaca gggtggcagg actggg                  1126
```

```
<210> 3009
<211> 2225
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (3)...(2014)
<223> similar to gi4589536 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3009
gaagaaggag gaggaggccc gcgtcgcctc cggcggggct cgcgctcgcc ccgcgctcgc   60
cctccgcctc gcccgagccc cgggagggtg aaacgctttc tcccagcatg cagcgggagg   120
agggatttaa caccaagatg gcggacggcc cggatgagta cgataccgaa gcgggctgtg   180
tgccccttct ccacccagag gaaatcaaac cccaaagcca ttataaccat ggatatggtg   240
aacctcttgg acggaaaact catattgatg attacagcac atgggacata gtcaaggcta   300
cacaatatgg aatatatgaa cgctgtcgag aattggtgga agcaggttat gatgtacggc   360
aaccggacaa agaaaatgtt accctcctcc attgggctgc catcaataac agaatagatt   420
tagtcaaata ctatatttcg aaaggtgcta ttgtggatca acttggaggg gacctgaatt   480
caactccatt gcactgggcc acaagacaag gccatctatc catggttgtg caactaatga   540
aatatggtgc agatccttca ttaattgatg gagaaggatg tagctgtatt catctggctg   600
ctcagttcgg acatacctca atagttgctt atctcatagc aaaaggacag gatgtagata   660
tgatggatca gaatggaatg acgcctttaa tgtgggcagc atatagaaca catagtgtgg   720
atccaactag attgcttta acattcaatg tttcagttaa ccttggtgac aagtatcaca   780
aaaacactgc tctgcattgg gcagtgctag cagggaatac ccacagtcat tagccttctt   840
ctggaagctg gagctaatgt tgatgcccag aatatcaagg gcgaatcagc gcctgatttg   900
gcaaaacaga gaaaaattgt gtggattatc aaccacttac aagaggcaag gccagcaaaa   960
ggatatgaca atccgtccct ccctagaaag ctgaaagctg ataaggaatt tcggcagaaa   1020
gtaatgttag gaactccttt cctagttatt tggctggttg ggtttatagc agacctaaat   1080
attgattctt ggctcattaa agggctaatg tatggtggtg tttgggctac agtacagttt   1140
ctttcaaaat ccttttttcga tcattcaatg catagtgcat tgcccttgg gatatatttg   1200
gcaaccaaat tctggatgta tgtgacgtgg ttcttctggt tttggaatga tctcaacttt   1260
ttatttatcc atcttccatt ccttgccaat agtgttgcac ttttctacaa ttttggaaaa   1320
tcttggaaat cagatccagg gattattaaa gcaacagaag agcaaaagaa aaagacaata   1380
gttgaacttg cagagacagg aagtctggga cctcagtata ttctgcagta cctgtttgat   1440
acggaaaacc ggtgagggtc caaacattgt ggtgtgtggc aaccgctggt ataggcaaaa   1500
tttgatcatc attgcccatg gggtgggtaa ctgtgtaggt gcaggcaacc atagatattt   1560
tatgggctac ctattcttct tgcttttat gatctgctgg atgatttatg gttgtatatc   1620
ttactgggga ctccactgtg agaccactta caccaaggat ggattttgga catacattac   1680
tcagattgcc acgtgttcac cttggatgtt ttggatgttc ctgaacagtg ttttccactt   1740
catgtgggtg gctgtattac tcatgtgtca gatgtaccag atatcatgtt taggtattac   1800
tacaaatgaa agaatgaatg ccaggagata caagcacttt aaagtcacaa caacgtctat   1860
tgaaagccca ttcaaccatg gatgtgtaag aaatattata gacttctttg aatttcgatg   1920
ctgtggcctc tttcgtcctg ttatcgtgga ctggaccagg cagtatacaa tagaatatga   1980
ccaaatatca ggatctgggt accagctggt gtagcgacat cttatcctat gaagcatatt   2040
gctgagtggt gcctgaaaat tgtgtctgtc cgtgtctttc tcacactcga atccacatcc   2100
tttgaacaag agcatgctat gtgtagggct aatggtgaat tttacagtct ttttttcaac   2160
acttttatta acaaaagtaa acatggacag aacacactgc catttctggg aagagtaaag   2220
atgat   2225

<210> 3010
<211> 3289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3134)...(1463)
<223> similar to gi2239126 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3010
gctggccttt tgctcacatg ttctttcctg cgttatcccc tgattctgtg gataaccgta   60
ttaccgcctt tgagtgagct gataccgctc gccgcagccg aacgaccgag cgcagcgagt   120
cagtgagcga ggaagcggaa gagcgcccaa tacgcaaacc gcctctcccc gcgcgttggc   180
cgattcatta atgcagctgg cacgacaggt ttcccgactg gaaagcgggc agtgagcgca   240
acgcaattaa tgtgagttag ctcactcatt aggcacccca ggctttacac tttatgcttc   300
cggctcgtat gttgtgtgga attgtgagcg gataacaatt tcacacagga aacagctatg   360
acatgattac gaatttaata cgactcacta tagggaattt ggccctcgag gccaagaatt   420
cggcacgagg tttttttttt tttaagtggg acaattaaaa atttaaaaaa taattttaaa   480
atagaacagc ttagagatag gaaacctaaa tttatttccc aattccttac tgtgcccca   540
aaaccagggt tcaccaaaag ggctgtcctc ccaacaattt tctgaattct atatattcag   600
cattaaattc catgataaag ttggaaatcc attcaccatt tgtaatacat attgatgcat   660
ttaataaaat tgcatgggcc gtatcttttg catttctgta tcctagtatt aagtacagtg   720
cctaccacag gccaggttct caatacttga ataaatgaca caaaaatagc caggaccagc   780
aagttttttc tgggtgggct tcatagaatc tctgtacttg ctggaatcac catgaaatcc   840
atggtcttca gctttgcatt ttcagcaaca tagttatatt gagttatcct caggtgagca   900
gtgagaccct tgggagcgga ttcatggtag ggtggctttg taatgtgtca ccttggtgag   960
gctatgtttc ccggaactct cttccagtaa gatgggccac aagagacatt ttgcttgata   1020
accggagggc ggaagtgaag cagcagcaca ttgtttttac acttggaagg ttggtgctgg   1080
ggcaccaggc gttgttgcag ttcacacgtt gccatgtatc tgctagatca cctcgttggt   1140
gtgggcagta gtcaggcctg cagccaggcc tgcagctgct ccaccttccc caggatcatc   1200
ctttcagctt ctctaattcc tgggccagat gcatatttaa ctctgtgagg aagggcacca   1260
gcttcttctg caggacaccc acatcatcga agctggaggt ggtgagagac tgacatgggt   1320
tccaggccat cctcgtgggt tccagctcgt gctcgtgggc tccactgtgt cctcggtctc   1380
ccacacttta catccatctt cccttcccga gtgcctgccc tgcagacttg aatcctacag   1440
tctgtagaag cctccagtca actgctttct agctccaggt tttttaaggt ctttggacct   1500
tggcaaccag actgctgtat ctcggaagcg ggttccaccc aggctgaaaa tctccgtgat   1560
cacgggtgtg ccagcccctc ctgcctcttc ctctggggcc aatttggagg cagaatcatc   1620
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gcccaggcgg gggcagcaca aagccaccac ctgcttcctg cttcgttgga gcctgggtat   1980
ggtctggttg ggctgtgcgt gtagccaagg tgggcttcaa ggtagggcca agatggtgcc   2040
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cagactctga ccagacactg ggcagcagcc gcttcatggc aaactgcagg cattggcgcc   2160
aacgacactt ctggcgcttc tggttgctgc ccccgaattt gggcttgtcg cagcagaagt   2220
cgcagcggcc acatccattc cgccgtaggc aggctgcaca ggccccgcac ttgcggttct   2280
gccggcggtt cgtgtagggc tgtagctcgt cctcgtctac acagtaatag atgaactcgg   2340
caggtggcga gggggccagg gctctggggt gcggctctgt gggctctggg gactgtgatg   2400
ggggtggtgg aggcagtggc tgggctccgg ggcgccgcct ggcagccatc ttggagtcac   2460
agcctccctt gcggcgggca tgtttacccc gtaggcaacg tcgctggaca catttccact   2520
ggcgcctgag accagggcgg ggaggcgaa ggcagatggg gcaatggcca caatcytctt   2580
gggtctgaca gccccggcat actccacacc ctcggctctt aaacattctc tgttcccggt   2640
tgaaggcaat tctctgtgct cgacagtctt tgcacaacgt tttgagccgc tgcctttggg   2700
tgccatcccc tgagaagctg attccacagt tctcacagca cccaggagca gggaatgaag   2760

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ctggggctgt gtcagtgtca gccttggtct catccctcgg ggcctccttc ctgacctcac    2820
cactctgggg tccaacctga cgtttccgag tcttggctgg ccttgaaggc ttctttcgct    2880
tcttgctggc aaccgccacg ggatgggcct tggggctgg atagcacaag atgccttgtt     2940
tgaagtcgaa gagggtgaga tcacacgcag ggcccaggta tcgagtcagc tcaactttgc    3000
ttcggatcct gtctcctgtg gggctctggt aataggtgtc tgagcgtcca caggtggccc    3060
ctgacttgcg aaagacttcg cggcgcttcc agccagggcc cagggccggg cagtccagcc    3120
agtcctcagc catggaggcc acaggaagca gcagtagcca gtttggcacc aggccggtat    3180
cttccgccac tctaggcccg tggacccatg gcgagggtcc ctcctgcacc tcccgcctcg    3240
ccctcctccc cttcctcctc ctccgcggcc gggggagta tcacacaaa              3289
```

```
<400> 3011
gcccttaaaa attttttttt tccctaaaac cttaaaattc ttgagggggg ttgggccaaa      60
aagttccccc cccaaaaaaa gggtttcttc caaaaattcc caacgagggt ttaaaaaggc     120
cccccaaaaa gaaaaaaaat aaatcttccc ccccccggtt aattttggcc cccccagggg     180
atctttaaaa gggcccccccc ttttttgtttt tttattatca tctttttggt tttttttttt   240
aaatattaaa acaataaatc tttattaaac agttttcacg gcatttttaaa ataaatttaa    300
aaaataaata tttgcattat agcagaaagt cacatgtatt gcatcaactc actttttacaa    360
tttaatggca tgagacaact aagcatcagc accataaaac tgttaagatt tgtttcttaa     420
attcaaggaa atagctctaa agcactgcag catcaataat tttgaaagct ataacccagt      480
gattggtgct catagtagcc aatgtttctt tttattactg ggcaactgtg ggagacagag      540
ttcttccagt actaaatatt aataaggttc tctgatcgac aatcccccat ctatcagtgt      600
gtcagggatt cacaaaggaa aaggaactgc agggttatgt aggtatattc ccctatctgg      660
tggatttagg tttgcacaaa gacacttatt ctagcaaaaa agaaaagata gtgtttccac      720
catggctacc ttttttttct ttttatagag tctcagagta agatttaaat cataatttttt    780
aacctttaaa agtctgttca agttcaatta caaccataga aactgtactg gtatcagaac      840
ataactattt tattacaaaa cttaacatta tttacaaaat gaaaaaataa tcaaatgact      900
attgcaggcc aaagttaaag gtttctcact caatgattga agaaaaatta agcaatattt      960
ccatgcactc acaccagatc atttctgaaa tatgcaaact cttaaaattc atgttagtaa     1020
aactttaatg tattcataat acttgctatg tttattagaa gatggtcaaa aaaaatccat     1080
ggttctgtac aataatatta acagtttgtt cattttcctt taatattttt tggcttccat     1140
gaacactcgt agattgaaca ttctgcaagt aagaattata atagtacctc tgtcaccttg     1200
ctgaattcat caccacaaga aaaacacaaa tagtttaatg cttttgcact aaactgaata     1260
gttataactc caaagttata ttaaactgaa gccttcattg tgatcaatag cttggatcag     1320
tttagagcgt agagtttctt tttctgtata ttttggaaga tccagaagat taaaacaagt     1380
```

```
atgggaaact gggagatact cctcaccacc tcctgtggac tggatgacta gtttcagact   1440
cttcatacca agaataggaa tgcgatcact acctgtcaaa aataacagaa actgtttctt   1500
cttttccaat ggtaattcgt gaaatacttc ccaaaaaatt tttatcgtag gatgttctgc   1560
ccaatattcc cctttgtatt ctgtattctt ttccagttcc ttccaatcat aatttgtatt   1620
tccaatgacc attgcttgta gttcattagg ctgaaagagc agaaggactt ttcctccaca   1680
gaccttatga aagcccgcat gaaaagcatc aaataaggaa gccactgatt tattgaatat   1740
gtaatccaca taagcatcga caaactcttg ccgattttgt ttgttaacag ctgtgtctgc   1800
accatttaga accagctctt tcacttctgt tgcaccaaag ttttcaactg tgatcgtaaa   1860
attaagacaa aatgtttcct ctatgtcatc ttctggataa tccagtaact gttgcatgct   1920
tctcccaaca tcaggcatta gttctttcaa atcatccaag gatggcttct tttttcagtag   1980
tttcttatat aaagccaaag gaaaatggag gtccacaatg gtacaattat aaattgctaa   2040
gccacagata ccaccaatca aatggaacaa atctctgtct tcaaatgtct tatcagaaaa   2100
ccaaatgagc ctggaatctt cataatacct aaacatgccg tatttaggat ccaataattc   2160
cctcatgatg agcaagaaaa attctttgcg cacccctcct gcatccacag catcttctcc   2220
aacaaatata accttgagtg gcttcttgta atctatgttc tttgtttttcc taaggacttc   2280
cattgcatct cctacaatat tttctctacg caccactaga attaagcagg gattcacaga   2340
ttcaatcact gggagaaaaa gagaggagac attctgcctg tgggcctgat caatagccat   2400
ctgcatctgt aagactgcat cggtctgtaa cagagtagtt tttgcttggg catcaaatac   2460
aaatggatat gtacagattg taacagggat atctgccaac attccatagg cctgctgttg   2520
gacccagttg atataatcat ttcttatgtc tatcaattct tgtacttcat gtatataaaa   2580
tttatcatac tgtataatct gtcccatttt ctcatttacc ctatgtagta tttctaaaac   2640
ctttaatgca gtatgaagaa aactgttgaa aattcttctt tcagaagggg gaataccgat   2700
cttgtagagt ttcaaaagat gtaccacaac ttccttaaaa agttctacta tcttgaggaa   2760
tagtggaggt tcaagtactg accaccagtt ttcaagtact ttcagggggtg cctttctag   2820
gttcacaaga gctgtaccaa agggaattgc tattgctgag aaattggtgg aatcactcat   2880
caggggacat tctggtagag taagataaaa cctcaatgcc tcaacatcag gtaaggagct   2940
agtcagttta ggaaataaga ttcttttcca aactaagctg ccacctgctg agatatctgc   3000
ggatgatcag gttgtataag tttgtggaat aaaagcctag cagcattcat atcaacccct   3060
naaaatctgg tacctgttct atagtgatca tcattgctaa cagctnaaaa acttccattt   3120
aggcaaccag aggaagaaaa cgttccatct atctcattgg ctatctccac aggaaaccttt  3180
ccagnaggat agctcagcca tttctgaatt agagcttcat tcactgtcca gat           3233
```

```
        <400> 3012
tttttttttt ttttaacttc tgaaaaatat ttattcttgt ttgatgaaag caacgtttct      60
cagcaatgca tttttaaaaaa tattttagcc ggtaaattaa aaagggccca taatgtaccc    120
ctggcagact tcagcatata ccaaatttta aatttaaatc agcttgaatt cagtggggta     180
tacaaatcaa tcattttagt tgttttaggg cttttttattg aataggaaaa aatataaaca    240
atgttgtagg agtaatgaga aatcctccca cactggaaaa aaaactaggt agttttaatt     300
tttttggggga tcatattttc tgagggtgta actggctttc attagatgat catactttttc  360
```

```
ctgacatttt tacaatgtat tctttctta aatataaaaa cctgacaagg ataaatatag     420
tgtttcaact tcttaggcct atttgtggat ttttctgttt tcctctgacc catcattgga     480
ttctataaaa aagtgccggg gccaaggaaa caatagttag gaggtaattc ttcctttagg     540
gtcctttcag cagtcttgcc aagcaagcat gtatcattcc tgatgtactt ctaccagttg     600
acagcaagaa gaatatcacc acatctaatt cttccatcat tgtattgctg tgttccttca     660
caatggattt gatgaaaaaa                                                  680
```

<210> 3013
<211> 4280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4281)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(2452)
<223> similar to gi5262678 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3013
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aagaaattgc aggtgctgca gcagagaaca tgttaggcag tttgctgtgc ctcccaggtt      60
cagggtcagt gcttcttgac ccctgcactg gttctaccat atcagagaca acaagtgaag     120
cttggagtgt agaggtattg ccaagtgact cagaggcccc agacctaaag caggaggagc     180
gtctgcaaga actggagagc tgttctggac tgggtagcac atctgatgat acggatgtca     240
gggaggtcag ttcccgcccc agcacaccag gcctcagtgt tgtgtccggc ataagtgcaa     300
cctctgagga tattcccaat aagattgaag acctgagatc tgagtgcagc tctgattttg     360
ggggtaaaga ttctgtcact agtccagaca tggatgaaat aactcacgat tttctttata     420
tacttcagcc aaaacaacat tttcaacaca ttgaagcaga agcagacatg agaatccagc     480
tgtcttctag tgcccaccag ctgacctctc ctccttctca gtcagagtct ctgctggcca     540
tgtttgatcc actgtcttca catgaagggg cttctgctgt ggtaaggcca aaggttcact     600
atgctaggcc atcgcatcca ccaccagatc ccccaatcct ggaaggagct gtgggaggaa     660
atgaggccag gttgccaaac tttggttccc ccatgtttta actcccagct gaaatggagg     720
cattcaagca aaggcattcc ttacccctga gagactagtt cgaagcagga gctctgaata     780
tagtatcttc tgtccggaga cccatgagtg accccagctg gaaccggcgt cccaggaaat     840
gaagagcgag aactccctcc agctgcagcc attggtgcta cttctttggt ggctgcacct     900
cattcatcat cttcatcccc gagtaaggac tcctcaagag gagagactga agaacgcaaa     960
gatagcgatg atgagaaatc agacaggaac agaccttggt ggagaaaacg ttttgtttca    1020
gccatgccta aagctcctat accatttaga aagaaagaaa aacaagaaaa agacaaagat    1080
gatctggggc ctgacagatt ctcaacactc acagatgatc ccagccctag actcagtgca    1140
caagctcagg tggctgagga tattctggac aaatacagga atgccattaa acggaccagc    1200
cccagtgatg gagcaatggc aaactatgaa agtacagagg ttatgggtga tggtgaaagt    1260
gcacatgatt ctccccgtga cgaagcactg cagaacatct cggctgatga tctcccagac    1320
tctgcaagcc aagcagccca cccgcaggat tcagctttct cttacagaga tgcaaaaaag    1380
aaactgaggc ttgctctttg ctctgcggac tctgttgcct tcccagtgct gaccccattc    1440
aacaaggaat ggtttaccag accacacaga cccagaagac aatgaaattg tatgcttctt    1500
aaaagttcaa atagctgaag caattaattt acaagataag aatctaatgg ctcaacttca    1560
```

```
agaaacaatg cgctgtgtgt gccgttttga taataggact tgtaggaaac tgctggcttc    1620
gattgctgag gactacagaa aaagagcccc atatattgct tatctcactc gttgtcgaca    1680
aggactacag accacacagg ctcacctgga aaggctattg caaagagttt tgcgggacaa    1740
agaagtggcc aatcgatact ttaccactgt ctgtgtgaga ttactgcttg agagcaaaga    1800
aaagaagatc agggaattca ttcaagactt tcagaaactc accgcagctg acgataaaac    1860
tgctcaggta gaagattttc tgcagtttct ttatggtgca atggcccagg atgtcatatg    1920
gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat    1980
gaaccggatt ttcaagctcg ccttctaccc taatcaagat ggggacatac ttcgcgacca    2040
ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaatc acagagctct    2100
tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag    2160
gacaataagt gcttataaaa cccccccggga caaagtgcag tgcatcctga gaatgtgctc    2220
tacgattatg aacctcctga gcctggccaa tgaggactct gtccctggag cggatgactt    2280
tgttcctgtg ttggtgtttg tgttgataaa ggcaaatcca ccctgtttgc tgtctactgt    2340
gcagtatatc agtagctttt atgctagctg tctgtctgga gaggagtcct attggtggat    2400
gcagttcaca gcagcagtag aattcattaa aaccatcgat gaccgaaagt gaccaagacc    2460
aaggcccacc aaggcagcag actgttaatc agacaaacag atctctgaga aggtgcatca    2520
gctgctttga aggctgaaga ttgtttttgta tgatactgca cagcatcagg cattttaaag    2580
cagatcttta ctaaacaggt taatgagcta acaagcaggt tctctcgtct ttgggctctt    2640
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gggaccacat ttttcaagta tttctaagta taaaaaacaa aacaaaaatc tcttaggaaa    2760
tgtctagacc tccattcttg gattcccttt ctttcctttt atttttaaaa agaacagtac    2820
ccctctttta agatgctgtc ttacattaat gagcatctaa tggaaagaag gtatgagttg    2880
cactgaggat tagaatagtg gtgcgttagt ggcattatct ataaatacac tcacctaaat    2940
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ctgcagattc taataaacaa ggactattgc tgatagtagg ctgtgacata ctgtcttgtg    3060
aaatggtttc cttgacaaaa tttaagctga gcttaaaagc aaaaaaacaa aaagtacaca    3120
gaaatattta ttaaaatgta atacagttta ttgaactttc taggtatgga gtttgatgga    3180
cagggctgcc tttaatgagt gtgaaggtca ctaagtcact tagacatctc accgtggaag    3240
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acagagctcc ttacaaacct ttaattgtaa tatattttg atgattattc acattgaatg    3420
cacagaccaa gaattcagtg aatgtcattt tttaaaaaac taatttgtat tgtctgctct    3480
agtgatacaa gttttactag tgataaacta ttttaatcaa ccatactatt cttatggaaa    3540
aaaatatcta ttttggcagg tttctgtgcc tttatttccc tcttctgaaa aaaagtctgt    3600
gttttcatag tttggtttgc attgtatatc aataattaat caggaatggg ttttggtgcc    3660
tgaaaaattg gccatggagg cacaccaaag cttcaagcac aagtcttgta catgggccat    3720
cactgtctgg tttcacttcg tgtgtttcct aaacacattt agctgctttt ttaacaaact    3780
cagccccata cttgagtccc ttgttgttgg gagcatttcc aggcatcttt taagggaact    3840
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ttattttttt gagacagagt ctcaccctgt tgcccaggct ggagtgcaat ggtgcgatct    4020
tggctcactg caacctccac ctcccagttc aagtgattcc cctgcctcag cctcccgagt    4080
agctagggac tacaggcgca tgtcacccaa gcccggctaa atttttgtat ttttagtagg    4140
aaacggggggt tttcaccatg ttgggccagg gtggatcctc aatctcctga acctcgtgga    4200
tccacccgcc ttngggcttc ccaaagtgcc gggatttaca agcgtggaac cacctgnccc    4260
agccagaaat taggattttt                                                4280
```


<210> 3014
<211> 1195
<212> DNA
<213> Homo sapiens

<220>

1820

<221> misc_feature
<222> (1)...(1196)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1034)...(414)
<223> similar to gi3170539 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3014
tttttttttg agacggagtt tcactcttgt tgcccaggct ggagtgcagt ggcgtgatct   60
cggctcactg caacctccgc ctctcaggtt caggtgattc tcctgcctca gcctcccaag   120
tagctgggac tacaggtgcc tgccaccact cctggctaat ttttgtatt tttagtagag   180
acgaagtttc actatattgg ccaggctgct ggtctcgaac tcctgacctc gtgatctgcc   240
cgcctcggcc tcccaaagtg ctgggattac aggcatgagc caccacgccc agcccctgca   300
agcagtttct ttaactctgt tgggatgcca ttcgtgggca aagctagatt tgggacaagt   360
tgcccagctc tgctaggaag agtcagtcct caggggaag tttcttttca cctccgggat   420
ccccagggct tcctgggttg actcaggact tcatacgcag cctggatctc caggaagtgc   480
ctctgtgcct cctctgtctg gtccaggttg tggtctgggt gccagacctt cactagctcc   540
tggtaactcc gatgtatttc ttcatttgtt gcccccttctg agaggcccaa aacctggtaa   600
gccagctgac gcttctcatc ctgaaaactg tgaacaaact catagagctt cgcccactcc   660
tgaaagcagc tgctgttgaa gccagtctcc cccatcagta gcctccagat ccggtaaggc   720
agaaggagga caaactccat gaggcggcca agaaggggga agaagctgaa ccaattcaag   780
aaggagccaa aggtttctgc cacatagctg agggtggcag ctgtgttgca gagggcactg   840
tatgccagtg ggcctgtgaa agcaaggtaa gccaagccca gacgatagag ccgcacactg   900
agcggctctg atgccaccaa agctttgtag cggcgatgcc tctgagctgt aatgctggcg   960
gccacgctaa tgggcagtat ggctatgggg cggccataga agataggtga agtgagaaat   1020
gctgacccca gagtgttctt aaagtctgag gtctggttgc caacagcagc caccagcaag   1080
acccctaagc caactgccag tgggagggcc acaatataga agttgaccat ggaagaaagg   1140
cgaattccac cacatggact agggatctcg accncntgga ctagggactc aaacc   1195

<210> 3015
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (39)...(699)
<223> similar to gi2662600 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3015
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cagctacaaa atttggcttt tacccaaact agaaaaatca gggaacccca gactcaggcc     60
cagtagagac cccaaagaag cagagaaggg tcagttcact gaggggccac acctgccca    120
gggccaggcc actgtccatc ctggtgccac caccaccctg ctggcctggc ccccccaac    180
cagacagcag tccccaccca gcccagcacc ggtaaccttg agaatagggg ccaatcaaca    240
gggggggccag gagcccccaa ggtgcagggt gcactgaggg ccccaccggc cctgctgaac    300
acaggcctga caccacctct ctccttcaag gccaccgacg ctcttgggag gcagtcagtg    360
ccgtctccct gcgtcactgg cagaagactg aggctcagag gggcagagtg acctgccttg    420
accacccacg cacgtctatg ccggagcacc aggctgcccc agcggctcct cccggccttt    480
tgcagcccca tcgcccaccc acatggaaca tggctggggt ggactgcagg gatggagctg    540
gggcaggaca cagccctagg agcacctgcc tggcgccagc ttttgctgac ggcagcccaa    600
cagcccccag ccacgtggca aagcgggtcc ccacgcagcc ctggctgcag ctgctccagg    660
ggtggcctga gacttctcaa agaagatgct gtgcccggtc ccccggaacc cctacttggc    720
cggacgccgc tgatggtgcc ggacgcgggg tcgcacggga attcgtgccg gtntnaaggg    780
tatcaggncc cgc                                                      793
```

<210> 3016
<211> 1407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (77)...(800)
<223> similar to gi330442 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3016
```
ttttttttt ttcttgccaa ttttttctatt tttaggggt agagacgggg tttcaccatg     60
ttgcccagcg ttcctcccgc cacggctttc caaagtactg ggattacagg catgaaccgc    120
cgcacacacc acttgtatct cctatgcccg tgtcaagcag cagcagggcg gtgggaacgg    180
ctgcacctgc actgtggcag ctcgcaggcc tccctgacgt ccaggcggag gctttctcaa    240
gtgtgggtgc cttgggtccg acccaggacc ccctccccag ctcccgtcct gtggaggaga    300
ccccaccatg cttcctcacc accggctgga gatgtcctga ccccctgccc actgcgccct    360
aacattactg actctaaacc agaacccagt gcccaccctg tcctcaccgt cctcaccccca    420
cggcattctg agtgagggac gcccaggccc acccactccc tggactcact tctgtccccc    480
cgagagacct tgcccgggac atgtacccac ctatgccctc tactgcccac ctcagccctg    540
tgggacccag tggtgaggag gggagtcctc acggccagcc aaggacagga tggtgacgag    600
gggcagggga acgagggcca ccaggccttg gctcatgatg cctccaaatt ccccagggcc    660
tccccagagc ctggacaccg ctgcatggca gggtgggtgt agcctgccag ccacatgtcc    720
tctgccccac ccctcgctgg aaatgcctgt cccgatatgg cccacgggtc ctgccgttgc    780
ccctcaccat gctccctgat gtgtccaggc tggcctgggg gtcgtgctac ctgaggcggc    840
agagctgagc caaggtccag gaccagtttc aagagggtgg gccaggctcc tctgagtcca    900
tttctagggc agcccctgca cccttgccgt gctggactcg gtggggacgt ctgggtggct    960
ctctgcaggt gacacacgtg ctgtggctgg ccaggtgggt ggcaggtatg tggggggtgga   1020
gctctcagct ctatcactgc caggccctgg ggtgatgctg ggcagagctg tccctgcgag   1080
ggccctcgga atccaggagt tgggcgattc cgggatggtt ccagagcttc caaacccaca   1140
tccagcccag gatgtgagaa gcagcccata aaggcctgag ccaggctgtc ctggtggggc   1200
aggtactgtg ggccccgcct gcccagctga caggaggcag ccagcggatg cccgggtggg   1260
```

```
agggggctcga  gctctcaggg  tgtcccccag  ctaggactca  tccagggcag  ggacccctca     1320
tgggaggatg   gggagtcaca  tggtgcccag  gacccccgac  tgaggactgc  agcagacccg     1380
tcacagcaaa   cggagtggag  gcctgtt                                            1407




        <210> 3017
        <211> 3013
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (410)...(1617)
        <223> similar to gi3043548 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 3017
tccttcttgt  cctggtcgtt  gttcccgtct  gagtaccagc  tccccactgc  cctgagggcg       60
ggccggcctg  cggcggaggg  aaaaaggaag  aggagaagga  aattgtcccg  aatccctgca      120
gtgggtccaa  gcctctcccg  ggtggccagt  ctttctgtag  gttgcggcac  aacgccaggc      180
aaaagaagag  gaaggaattt  aatcctaatc  ggtggaggtc  gatttgaggg  tctgctgtag      240
caggtggctc  cgcttgaagc  gagggaggaa  gtttcctccg  atcagtagag  attggaaaga      300
ttgttgggag  tggcacacca  ctaggaaaaa  gaagaagggg  cgaactgctt  gtcttgagga      360
ggtcaacccc  cagaatcagc  tcttgtggcc  ttgaagtggc  tgaagacgat  caccctccac      420
aggcttgagc  ccagtcccac  agccttcctc  ccccagcctg  agtgactact  ctattccttg      480
gtccctgcta  ttgtcgggga  cgattgcatg  ggctacgcca  ggaaagtagg  ctgggtgacc      540
gcaggcctgg  tgattggggc  tggcgcctgc  tattgcattt  atagactgac  taggggaaga      600
aaacagaaca  aggaaaaaat  ggctgagggt  ggatctgggg  atgtggatga  tgctggggac      660
tgttctgggg  ccaggtataa  tgactggtct  gatgatgatg  atgacagcaa  tgagagcaag      720
agtatagtat  ggtacccacc  ttgggctcgg  attgggactg  aagctggaac  cagagctagg      780
gccagggcaa  gggccagggc  tacccgggca  cgtcgggctg  tccagaaacg  ggcttccccc      840
aattcagatg  ataccgtttt  gtcccctcaa  gagctacaaa  aggttctttg  cttggttgag      900
atgtctgaaa  agccttatat  tcttgaagca  gctttaattg  ctctgggtaa  caatgctgct      960
tatgcattta  acagagatat  tattcgtgat  ctgggtggtc  tcccaattgt  cgcaaagatt     1020
ctcaatactc  gggatcccat  agttaaggaa  aaggctttaa  ttgtcctgaa  taacttgagt     1080
gtgaatgctg  aaaatcagcg  caggcttaaa  gtatacatga  atcaagtgtg  tgatgacaca     1140
atcacttctc  gcttgaactc  atctgtgcag  cttgctggac  tgagattgct  tacaaatatg     1200
actgttacta  atgagtatca  gcacatgctt  gctaattcca  tttctgactt  ttttcgttta     1260
ttttcagcgg  gaaatgaaga  aaccaaactt  caggttctga  aactcctttt  gaatttggct     1320
gaaaatccag  ccatgactag  ggaactgctc  agggcccaag  taccatcttc  actggggctc     1380
cctctttaat  aagaaggaga  acaaagaagt  tattcttaaa  cttctggtca  tatttgagaa     1440
cataaatgat  aatttcaaat  gggaagaaaa  tgaacctact  cagaatcaat  tcggtgaagg     1500
ttcactttttt tcttttttaa  aagaatttca  agtgtgtgct  gataaggttc  tgggaataga     1560
aagtcaccat  gatttttttgg  tgaaagtaaa  agttggaaaa  ttcatggcca  aacttgctga     1620
acatatgttc  ccaaagagcc  aggaataaca  ccttgatttt  gtaatttaga  agcaacacac     1680
attgtaaact  attcattttc  tccaccttgt  ttatatggta  aaggaatcct  ttcagctgcc     1740
agttttgaat  aatgaatatc  atattgtatc  atcaatgctg  atatttaact  gagttggtct     1800
ttaggtttaa  gatggataaa  tgaatatcac  tacttgttct  gaaaacatgt  ttgttgcttt     1860
ttatctcgct  gcctagattg  aaatatttttg  ctatttcttc  tgcataagtg  acagtgaacc     1920
aattcatcat  gagtaagctc  ccttctgtca  ttttcattga  tttaatttgt  gtatcatcaa     1980
taaaattgta  tgttaatgct  ggaaagaaaa  aaagaagaaa  gaaagaaacc  atccctgtcc     2040
```

```
ttcagttat     aatctagttg     gagagataag     aaacgtacaa     accaaaagat     aacagaatat     2100
ctgaagcatg     tactcattgt     cagatgttcc     ctctgaggag     gcacagaggg     agggcaaaag     2160
ctttctgtgg     gatgtgctag     tcggctaaag     cttcacagag     gaggtggcaa     ttgaaaatga     2220
gtcctgaatg     gggtagggtg     gttagggaat     tccatggaga     caagacaagg     ggggcatggt     2280
gtgagaaaag     gcatggaagt     aggaaccctc     ttcctatgac     aggagatcat     tctgcttaga     2340
gtggagagtg     tggagagtgg     gagtagataa     ttttggaaag     ctgggtgaag     ccagttgtgg     2400
agaattgttt     gaatattatc     ccattgaata     cccagagcca     ctaaatcttt     ttttactaga     2460
aaataattgg     ggtccatatg     aaagtctcta     ttactgagta     gtgtcaatga     gggtgtggca     2520
aaatggagcc     tttcacatcc     tagtggtggc     catttggtaa     tacagatata     agccttaaac     2580
tatgtaaacc     cttgtcctaa     ggaagtaatt     gaataattgc     ccaaagattg     tatgtatgag     2640
gctgttcatc     ccagcactgt     ctaagctagt     aaaaattgga     aacaatttaa     gtatctagca     2700
cattggattg     gttataaagc     aaggaatgtt     cacacagtag     gatattataa     gtatgctgat     2760
ggaaatctat     attgccagga     aaagctattc     attatgcgtt     gtgaagtcag     aaagtaaaaa     2820
agggtagata     gaagtattcg     aagtatagtt     ccatttttg     agactaataa     aacatatgtt     2880
taaaaggaca     ctaaaaactg     gagttataga     tatccagata     gaaacagtag     ttatctttgg     2940
gtagaagaat     aatgagtgat     ctttactttt     ttacttttta     ttcatctttg     tgtttttatt     3000
tatctaaaat     ggg                                                                      3013
```

<210> 3018
<211> 1063
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1064)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1028)...(291)
<223> similar to gi4850182 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3018
```
ccttttttt     tttttaaaa     caaaatacat     tattttattt     caattccatg     attttaaaat       60
gcttttatt     ttttctttt     tgcccctttt     acaggggaga     cgtaaagctg     tcccagttat      120
caaaaaattc     aaatctcctt     ttcttctgtg     gactggctgt     caatgagctt     tcatccaggg      180
tgtctcccat     gttctgggaa     ctacttccag     atgttcctga     agcacttcct     gggtcaaagg      240
actctgctgc     ttccaggagc     tccatatcac     ttccttcttt     ctcaaaggac     ttctggaata      300
ggtcgtagat     cttctgctgc     tttgggtcct     tgtagaggta     atcagtggat     tctgtcattt      360
ctgaaaaatt     ggtctcagaa     agcccggctt     ctgccagaac     tttaatcttc     tcttgaatca      420
ggggccaaag     gtagtcatca     gctgtgccct     ttgccacgag     gtagtgaatg     cccacggagc      480
tggtctgtcc     aatgcggtgc     acgcggtcct     cagcctggat     cagcacccct     gggttccaaa      540
acagctcagc     aaacaccacc     aggtcagccg     aggagaaggt     gaggcccata     ttggcagcgg      600
tgatggacag     cacggccaca     gcatgcctct     ccgacagttg     gaactgctgg     cacaggtcct      660
cccgctcagc     tgatgaggtg     gagccatcga     tgcggatgtg     ctgcacgtgc     tttctctcaa      720
gctcttgcgt     aattgcgtcc     aggaccacct     tatggtgtgc     aaatactaaa     aacttctctc      780
ttccactttc     cagtaggtcc     aagatatatt     caatgacaga     tgggatttta     gcttcagctg      840
ttctgttgaa     gaagagaatg     agggcatctt     tctgctgctg     tttagttttg     tccttggtgg      900
```

```
tcatttcctt ggctgcagca tccagggcag ctctggtcct ggcattgatc cgtcctgggg      960
caatcaccac tatcttgcgc tgcttggcag gcagctggga aaggacgtcg gacttgaggc     1020
gccgcaggaa ttccnccgcn cttgcctatg ttncacgtat cga                       1063
```

```
<210> 3019
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(599)
<223> similar to gi6684 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
      <400> 3019
gcacgaggcg acaggcacgc agcctactag gtgtggcggc gaccctggcc ccgggttccc       60
gtggctaccg ggcgcggccg cccccgcgcc gcaggcgggt atccccggtg gccagagaga      120
agaggacctc ctgaccccgc ggtggcagct gggaccgcgc tacgcggcta agcagttctc      180
gcgttacggc gccgcctccg gggtggtccc ggttcgttat ggccgtcgcc ggagcagctg      240
cgggagctgg aggccgaaga acgcgaatgg tacccgagcc tggcgaccat gcaggagtcg      300
ctgcgggtga agcagctggc cgaagagcag aagcgtcggg agagggagca gcacatcgca      360
gagtgcatgg ccaagatgcc acagatgatt gtgaactggc agcagcagca gcgggagaac      420
tgggagaagg cccaggctga caaggagagg agggcccgac tgcaggctga ggcccaggag      480
ctcctgggct accaggtgga cccaaggagt gcccgcttcc aggagctgct ccaggaccta      540
gagaagaagg agcgcaagcg cctcaaggag gaaaaacaga aacggaagaa ggaggcgcga      600
gctgctgcat tggctgcagc tgtggctcaa gacccagcag cctctggggc acccagctcc      660
tgaggctttg tcccttccca ataaagcctg ctacctggca gtaccctga agaaaaaaaa      720
aa                                                                      722
```

```
<210> 3020
<211> 1180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1181)...(915)
<223> similar to gi1710216 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
      <400> 3020
cccgggggta aaaatttttt ttaattaaac cccggaaagc aaactttcca accgccaggc       60
```

```
tatggcggtt gtttttcccc cttttcccct taaaaatttt ttttttccct aaaggctttta    120
aattttggag ggaggttggg ccaatttgtc cccccccaa aaaaaaggtt ctttcccaaa    180
attcccaagt tggttttaa aaggcccccc ataaggaaaa aaattttttcc ttgccatccc    240
cggttaaatt tgggcccccc aagggttctt ttaaaagggc cccccctttt tttttttttt    300
ttttttttgc atcaacattt ttattgaaat acaaaaagtg caaacggtga aatacatgat    360
tggtgccaag gaagtcatta agtgtgaatg tgaacactgg attcacacag tacaagcacc    420
cgctccctgg ggtacagacc agtgggggac atgagaaaga ccaaatagat ccgaaaggct    480
ccccagtgaa tggggctgtg agcgacactt gatacacaaa ggagggcgga gagcagagca    540
gccctggccg aggctagaga ccaagggact gatgaagaac cagcagcagc ccaggcccca    600
gggggctgga tgcactgctg atggtcttgg gagagcccag cgaagttatg cccaggccca    660
gcctggcttg cggatggggc tgggctggtc agtgaggatc cccacagtac gggctctgga    720
atcatcctgc ctggccaagg tcatgggggc agggtcactg caggtacttc cctgtactcc    780
ccaaggacaa ggctgcagga agagggatcc ccaggaagga gtgtaattct acgagacagt    840
gggagtgaga tcagccatca ctggggccga ggttctttga aagacaacag ggctggcccg    900
ggcgcagtgg ctcacgcctg gaatcccagc actttgggag gccgaggtgg gtggatcatg    960
aggtcaggag atcgagacca tcctggccaa catggtgaaa ccccgtctct actaaaaata   1020
caaaaattag ctgggcatgg tggcatgcac ctatagtccc agctactcag gaggctgagg   1080
caggagaatt gcttgaaccc agaaggcgga ggtgtgccga gatcgcgcca ctgcactcca   1140
gcctggtgac agagcgagac tccatctcag aaaaaaaaaa              1180
```

<210> 3021
<211> 2426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (306)...(2347)
<223> similar to gi5264503 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3021

```
tttcgtaact taaggtatat taagcagtcc ccacagacat gctgcctgca ctccacctgc     60
tgagctggct ctgaggctca ggagacgtgg ccctctgtgg tcccattgtc tccacgtctg    120
tggtaacccg gtgcctttct agagcaggca ggctcccggc atgggtggaa acagagcagg    180
gggccagctt cccccaatca ccggtgctgc tgtggaggaa gagcttggtg gcgctaggac    240
gtccttgtga atgtgacttg gaagagcagt ttgggatttt tttcattgcc tggggatgag    300
agggagagac aacgtgtgtc ttacacatct cccaacagcc gacttagatg tgatccgttc    360
tcccagaggg agcaggtttc tttgaacttt tcctttttat gtacagcata gtgctgagca    420
gatcactgca ctgtgcagga gttttaacga cagtcaggcc aacggcatgg aaggaccgcg    480
ggagaatcag gatcctcctc cgaggcctct ggcccgccac ctgtctgatg cagaccgcct    540
ccgcaaagtc atccaggagc ttgtggacac agagaagtcc tacgtgaagg atttgagctg    600
cctctttgaa ttatacttgg agccacttca gaatgagacc tttcttaccc aagatgagat    660
ggagtcactt tttggaagtt tgccagagat gcttgagttt cagaaggtgt ttctggagac    720
cctggaggat gggatttcag catcatctga cttaacacc ctagaaaccc cctcacagtt    780
tagaaaatta ctgttttccc ttggaggctc tttcctttat tacgcggacc actttaaact    840
gtacagtgga ttctgtgcta accatatcaa agtacagaag gttctggagc gagctaaaac    900
tgacaaagcc ttcaaggctt ttctggacgc ccggaacccc accaagcagc attcctccac    960
gctggagtcc tacctcatca agccggttca gagagtgctc aagtacccgc tgctgctcaa   1020
ggagctggtg tccctgacgg accaggagag cgaggagcac taccacctga cggaagcact   1080
```

```
aaaggcaatg gagaaagtag cgagccacat caatgagatg cagaagatct atgaggatta   1140
tgggaccgtg tttgaccagc tagtagctga gcagagcgga acagagaagg aggtaacaga   1200
actttcgatg ggagagcttc tgatgcactc tacggtttcc tggttgaatc catttctgtc   1260
tctaggaaaa gctagaaagg accttgagct cacagtattt gtttttaaga gagccgtcat   1320
actggtttat aaagaaaact gcaaactgaa aaagaaattg ccctcgaatt cccggcctgc   1380
acacaactct actgacttgg acccatttaa attccgctgg ttgatcccca tctccgcgct   1440
tcaagtcaga ctggggaatc cagcagggac agaaaataat tccatatggg aactgatcca   1500
tacgaagtca gaaatagaag gacggccaga aaccatcttt cagttgtgtt gcagtgacag   1560
tgaaagcaaa accaacattg ttaaggtgat tcgttctatt ctgagggaga acttcaggcg   1620
tcacataaag tgtgaattac cactggagaa aacgtgtaag gatcgcctgg tacctcttaa   1680
gaaccgagtt cctgtttcgg ccaaattagc ttcatccagg tctttaaaag tcctgaagaa   1740
ttcctccagc aacgagtgga ccggtgagac tggcaaggga accttgctgg actctgacga   1800
gggcagcttg agcagcggca cccagagcag cggctgcccc acggctgagg gcaggcagga   1860
ctccaagagc acttctcccg ggaaataccc acaccccggc ttggcagatt ttgctgacaa   1920
tctcatcaaa gagagtgaca tcctgagcga tgaagatgat gaccaccgtc agactgtgaa   1980
gcagggcagc cctactaaag acatcgaaat tcagttccag agactgagga tttccgagga   2040
cccagacgtt caccccgagg ctgagcagca gcctggcccg gagtcgggtg agggtcagaa   2100
aggaggagag cagcccaaac tggtccgggg gcacttctgc cccattaaac gaaaagccaa   2160
cagcaccaag agggacagag gaactttgct caaggcgcag atccgtcacc agtcccttga   2220
cagtcagtct gaaaatgcca ccatcgacct aaattctgtt ctagagcgag aattcagtgt   2280
ccagagttta acatctgttg tcagtgagga gtgtttttat gaaacagaga gccacggaaa   2340
atcatagtat gattcaatcc agatatgggt taaattcctc attttacttt taaactggtg   2400
gtaaagtgga aattgcaaaa aaaaaa                                         2426
```

<210> 3022
<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(354)
<223> similar to gi2463265 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3022
```
ttttcggcag aagggcccag ccttgagcct tgtgccctta acgcgggccg gcccgcccag     60
gtgagcagct atatggccac ggtgtcgggg ctcctcaaga tcgtccaggc cttcgtggcc    120
tgcatcatct tcggggcgct ggtccatgac agccgctacg ggcgctacgt ggccacccag    180
tggtgcgtgg ccgtctacag cctgtgcttc ctggccacag tggccgtggt ggccctgagt    240
gtgatgggcc acacaggggg cctgggctgc ccctttgacc ggctggtggt ggtgtacacc    300
ttcctggctg tgctcctgta cctcagcgcc gccgtgatct ggccagtctt ctgtttcgat    360
cccaagtacg gtgagcccaa acggcccccc aactgtgctc ggggcagctg tccctgggac    420
agccagctgg tggtggccat cttcacctac gtcaacctgc tcctgtacgt cgttgacctc    480
gcctactccc agaggattcg cttcgtgccc agcctgtagc ccacagtggc agcccaccca    540
cctctgctct ctggccacca gctccaggtt ctgcgaggga aactcaggtg aaccaaagtg    600
tcaagtagcg agcaggaggg aagccgcggg ctcaggggag atgaagtaca cgggagagg     660
tcgctccccg acttccagac tgggctcc                                       688
```

<210> 3023
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(882)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (881)...(237)
<223> similar to gi200547 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3023
tttttttttt ttgggcttca aatcaagttt aataaataaa acagcaaagg ggggttcaag   60
gcagttatca cttcacagtg tggtccttgg tggggtgagg gatggtcgag tccaactcgg   120
aaaggggctc gagcacaaga ggccggacga cacccggggc agggcgcgcc gccgcccacg   180
gaggacccca ctccaacgtg taaacagaaa cagaaacgaa cgagagggcc agggaggagg   240
gggaccagga ctccaagcca tcttgctagg aagcttccca cagaaggaag acctgcaggg   300
ctggggaaac aggctggagt ctggcccctg cgtggccagc agggccggct cctccggagg   360
ctccctgcct tggtaccggg ggaggacagc aaaggggatg taaatcacct gtctcctcaa   420
acccacgcct ggggttgctg agggacccca ccccaaccgc tcaggatcgg ggagcaggga   480
tggaggggga agaggcaggt gggggtgtaa agtgcggctt ttcctgaagt ggagacgatg   540
gggtgggaag gcgaggctgg ggtggggggcc ggacagcgag gtatatggct ctgtgcccca   600
cggggttggc actgagtagc agctgcccac gacccccagg gctggggcag cccgcggccc   660
tgccgggtgt ggagagacag agccaagcag ggagctgagg gcgccccggc ggaggctgct   720
ggtgcggggc agggcgtcct gcccgtctcc ccgccggggc agtgacgcct tccctcgcct   780
ctgctggctg gaagggacta ggtggccggc tctgcccgga attccccgcn ctgcctaggg   840
tctcagtcna nggnctcagt gggcgctann ncngcgcctc c   881

<210> 3024
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(718)
<223> similar to gi4490675 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3024

```
caagaatcca tactgaaaac tgtggggaaa cttactgcaa ctcaagtagc gaaaattagc      60
tttttttttt gctttggggg gttttttggca aatttgtcat atcaagaagc actttcaaac    120
ccacaagtgg ctatagttaa tattttatct tcaacttccg gactttttac cttaatcctt    180
gctgcagtat ttccaagtaa caggggagat agatttaccc tttctaaact attagctgta    240
attttaagca ttggaggcgt tgtactggta aacctggcag ggtctgaaaa acctgctgga    300
agagacacag taggttccat ttggtctctt gctggagcca tgctctatgc tgtctatatt    360
gttatgatta agagaaaagt agatagagaa gacaagttgg atattccaat gttctttggt    420
tttgtaggtt tgtttaatct gctgctctta tggccaggtt tcttttttact tcattatact    480
ggatttgagg acttcgagtt tcccaataaa gtagtattaa tgtgcattat cattaatggc    540
cttattggaa cagtactctc agagttcctg tggttgtggg gctgctttct tacctcatca    600
ttgataggca cacttgcact aagccttaca atacctctgt ccataatagc tgacatgtgt    660
atgcaaaagg taaggaaact atttattatt catagatatt ttaggtgtgt tattaaaaca    720
aacctaatga aagttgagat gtgattaaat tataaggata caaacataaa taatacttga    780
tg                                                                    782
```

<210> 3025
<211> 1366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1367)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1363)...(896)
<223> similar to gi1195548 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3025

```
ttttttttttt ttctttggat tgaatgcttt tattgttttta acacagataa cgctatggcc     60
atgtaatctg taatctctga tttccaaaat gtgaaccaag aagtataact caacttagtc    120
ttataaaaat tacgatattt tccctcatgg aaaaaaaaat cagaaaatac tacatggttt    180
ttttgttttt taagtttttt cctatactac tggtttaaat cactgtaaca gaacaggaat    240
atgtaaggca cattctggaa ccttacatct aagattaaac tacttatatt taccttaata    300
aatttaaagg caaaatacag ctctttatcc aaacagactt ctttcagaac aatctttccc    360
aaaatattta atacaggtga ttttctgttt ctagaaaaga ctagagtttc caatccttcc    420
cacctgaaca aaaacaccac tctctgacta tcacccaaag agaaagaag aaagaaaagg    480
cctttaggat gcagtgggca cagactgtaa cacccagaca cagaggaaag tcagtctgcg    540
gagggagcct ggaatccagc ctccacagct tcctgagggg tgtgctggag gccacctgtg    600
gacatgttca ggtgccgagc acaaccagtt tgtggagctg gtagagaaag gtgttcttcc    660
ctctgctgct ctcacggtcg gcctgctcca tgaccagctt tggatcaacc tgattccact    720
cgtagggctt ttcatgccac ttgggaacaa tcttctccct tggttttgac tgacagaaca    780
aacctaaaag cttctgacgg gcaatgtctt gaagctgcgc aactctctct ggcccaagac    840
acttgcatcc atttggtcca tcacagacta gcttgttaat agcagccctg agaatattaa    900
cctcgacgac atcctccacg ctgaattgaa cgtcaaacgc aagctccatg tcgtgctcgg    960
gcagtatgga agcccctgta gctggattcc accccaaacc acaaaggact ccagtatagt   1020
```

```
acttgccatt ctgatcaatc cttaactcta tcaccggtgc gaataacatg ctgaggagag   1080
ccgggaggcc agggatatga ggcatcagag aggtttctct cagcagcatc gtagatcctg   1140
ttcaagtcat gctaaatcaa catcgggcat taactcacgc tgctcagggc agcgttccct   1200
cccggcccgc tcctactcat ctgcaggtat cccctcctct gctgagtctg tccagtcccc   1260
acaggcccac cccaatagta acgcacactc cctgttctct gtttccacag taccgaattc   1320
caccacatgg actaggagtc gtcaatnnnn ncaatggtct caaccc                  1366
```

<210> 3026
<211> 1438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1439)...(274)
<223> similar to gi5912548 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3026
```
tttttttttt ttagtattta taatcattta cttgtagcga actgtttaaa gttaacactt     60
gtttaaattt ttttacacta tagcatttat gcaatggttt acagaattca tggagttatt    120
tttatcagta tgggaattaa ttaaaacctt gaatctttgt tttgtctgct tctctgagca    180
caagcctggt cagctggtcc ctgcgggtcc taccagccag cttctctgta gggctctcgg    240
ccgcgtccac ctctgctctc ccaccacaag gtcacaaact cccacgcagt cctgggtcac    300
cccgcagctg ctctggagac ttggctctgg gcgtctcgtg gcccaagtgc tccaagttgg    360
aagtttctgt gggcctcgtg taggggatgc cgtgctgggt gagcaaacct ttcagccttt    420
tgatctcctt tgagagttct ttatgagcct tcctgcagtt ttccagggtc tcaaacccca    480
agctgtcagg acctccctcc agctgggtgg gttcattttc ttctggggtc tttaagtagc    540
cagcatcctc aaaaagtgtc ctcagcaact tctcatggcc ctggggggtg atcagctcat    600
cggccaggtc ctgctctacc tggtcccact gccgctgcag ggcctctggc agggttgggt    660
acactagcaa ggcgtggggg tggcagacga ggggggtctc gaacgtcagc gcgtagacgc    720
aggtgctcgg ctcggacaca tgggccagcc ggttgctttt tccacacgcc agctccacct    780
tgctctgccg gctccgggaa cggcaggcgt caccgtccct catccacatg cccgtgaagg    840
tgttgttggc gatctcccac tcgtgccaga tgccgaggat cccactgtag gcgttccagc    900
ggaaggtctg ctcgtgctgg gtcacgttgt ggaacgggca gaactcatac ttgtacctgg    960
ggacacagat ggcatgaggg gggtccgcag gctgcgcccc agcccaccct cgcacccacc   1020
ctgcactcac gtggactcca ccaggctgaa gcacttgccc gagagtcgga agagatgcac   1080
gggtcctgga agagacctca cactgatccc cagggtccaa gcacagaacc tgtctgcaaa   1140
gacgtattaa taataaagtc gaggccgggc gcggtggctc atggctgtca tcccagcact   1200
gtgggaggcc gaggcgggca gatcacgagg tcaggagatc gagaccgtcc tggctaacac   1260
ggtgaaaccc cgtctcagac acgggtgaag gatccctctt ggcctggagg cgactggcct   1320
gaggcaagaa cgggttgttc accccaaacg cgttgggctc ctcccccacc ttcattttcg   1380
ctgcacctgc cggcgcgggc ccgccgaccg agagcccgag gagcaacagg agccgcgc     1438
```

<210> 3027
<211> 1415
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1416)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(774)
<223> similar to gi4235142 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3027
agcttttaac tggtcctcaa tccttactga acataagaga attcatactg gagagaaccc   60
ctacaactgt gaagaatgtg caaagccttt aatcggtgct cacaccttac tagacataag   120
aaaattcata ctgccgtcan acgctataaa tgtgaagaat gtggcaaagc ttttaaacgg   180
tgctcacatc ttaatgaaca taagagagtt caaagaggag agaaatcctg caagtataaa   240
aaatgtgggg aagcttttaa tcactgctca aaccttacta cgtaagaatt tttactaaag   300
agaaatccta caaatgtaaa gaatgtggca aattccataa atcttgctca aggcattgaa   360
atcacaagat aattcatact ggagagaaac actacaaatg tgaagaatgt ggggaaagtc   420
ttcaaccatt gctgacagct tattgcacag aagaaaattc atgctgagaa aaattctgat   480
tttaaagaat gtggcaaagc atttaataac tactatgaac ttactcatca gaggttttgt   540
gctagataaa agcaatgtaa gtgtaatgat acacattaca tttatctgtg aaagatgtc   600
accaaataaa agccttagag tacacaaggt gtaatgatag tgatacatta catttgtaca   660
tggaaagact tcaaaaatat aagccttaga gtacacaaga gttttatac tgaagaaaaa   720
cattacaaat ataaagattg ttgcaatact tttacttatg ttacagattt tgttgtacat   780
aggagaattt atactgaaag gtaaccctct aacagttgct caaattttat tccattttag   840
ataatttaca ttggaaagaa accctacaac tgtaatgaat atgaaaaaaa ttgtttaaaa   900
agtacacctt agaaaacact agtttaaggc cgggcgcggt ggctcacact tataatccca   960
gcactttggg aggccgaggc aggcggatca cgaggtcagg agatcgagac cacgatgaaa   1020
ccctgtctct actaaaaata caaaaaatta gctgggcatg ttgtcgggtg cctgtagtcc   1080
cagctactgg gagaggctga ggcaggagaa tggcgtgaac ccgagaggcg gagcttgcag   1140
tgagccgaga tcgcgccact gaactccaac ctgggcgaca gagactctgt ctcaaaaaaa   1200
aaagaaagaa cgctagttta tatgaaagca tttaacagat gcagtaaata taaaaaatta   1260
ataaaaaatt aagtctaaat gaacatcaga agattcacag tagaaaccac taagacgcta   1320
acactttcaa tgttattcta aatcagggca ttgattataa agagtaattc aaggttaaca   1380
taatttagtt agcctaaaca gaaataggag attat   1415

<210> 3028
<211> 2964
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2181)
<223> similar to gi5817167 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
        <400> 3028
        gaaactccta ggcagcagag gcccacgact acttcctcct gagtgccgtt cagtggcctg      60
        tgtccaggct ctgaagggct ccaagaagct ggtgctgtct gtgtactcag cagggcgcat     120
        ccctgggggc tacgtcacca accacatcta cacctgggtg gacccgcagg gccgcagcat     180
        ctccccaccc tcgggcctgc cccagccca cggtggtgcc ctgaggcagc aggagggtga      240
        ccggaggagc accctgcacc tcctgcaagg aggggatgag aaaaaggtga acctggtgct     300
        gggggacggc cggtccctgg gcctcacgat ccgtggggga gctgagtacg gccttggcat     360
        ttacatcact ggcgtggacc caggctctga agcagaaggc agcgggctca aggttgggga     420
        ccagattcta gaagtgaatg ggcggagctt tctcaacatc ctacacgacg aggctgtcag     480
        gctgcttaag tcatctcggc acctcatcct gacagtgaag gacgtcggga ggctgcccca     540
        tgcccgcacc actgtggacg agaccaagtg gatcgccagt tcccggatca gggagaccat     600
        ggcgaactcg gcagggtttc ttggcgatct cacaacagaa ggaataaaca gccaggatt     660
        ttacaagggc ccagccggct cccaggtgac cctgagcagc ctggggaacc agacacgagt     720
        gctgctggag gagcaggctc ggcacctgct gaacgagcag gaacacgcca ccatggccta     780
        ctacctggat gagtaccgtg gcggcagcgt ctctgtggag gccctcgtca tggccctgtt     840
        caagctgctc aacacccacg ccaagttctc actcctctct gaggtgagag gcaccatttc     900
        cccgcaagac ctagaacgct tcgaccacct ggtgctgagg cgtgagattg agtccatgaa     960
        aggcgcggca gccccccaggc cccggggctg gggaacacct agttccatgg tgttcctaca    1020
        gttgacacgg gtttcattcc acaggcagcc acggcacctc caccaccgtc agctcggcca    1080
        ggaacactct ggacctggag gaaactggcg aggctgtcca gggcaatatc aacgccctcc    1140
        cagatgtgtc cgtggatgat gtcagatcca cctcccaggg gctgtcaagc ttcaagccac    1200
        tgcctcgccc accacctctg gcccaaggca acgacctccc actaggccag ccaaggaagc    1260
        tggggagaga ggacctccag ccaccttcct ccatgccttc ctgctcgggc actgtcttct    1320
        cggctccaca gaaccgcagc ccgccagcgg gcaccgcacc caccccaggg acctcctctg    1380
        cacaggactt gccctcttcc cccatctatg cctccgtctc ccctgccaac cccagctcca    1440
        agaggccgct ggacgcccat ctggccctgg tcaaccaaca ccccatcggc cccttcccac    1500
        gggtccagtc accccgcac ctgaaaagcc cctctgcaaa ggccacagtg gctgggggct    1560
        gccttctgcc cccatcaccc tctggccacc cagaccagac aggcacaaac cagcactttg    1620
        tcatggggga ggtccaccgc cccgacagcg agccagacgt caatgaagtg agggcgctgc    1680
        cccagacgcg cacagcctct acgctctccc agctctcgga cagcgggcag actctaagcg    1740
        aggacagtgg tgtggatgct ggcgaggcag aggccagcgc cccaggccga ggaaggcagt    1800
        cggcgtccac caagagcagg agtagcaagg agctgcctcg gaaagagagg cccacagatg    1860
        gggccaacaa accgcctgga cttctggagc ccacgtccac tctggtccgt gtgaagaaaa    1920
        gtgcggccac cctgggcatc gccatcgagg gtggcgccaa cacccgccag cccctgccta    1980
        ggattgtcac tattcagaga ggcggctcag ctcacaactg tgggcagctc aaggtgggcc    2040
        acgtgattct ggaagtgaat gggctgacgc ttcggggcaa ggagcaccgg gaggccgccc    2100
        gcattatcgc cgaggccttc aagactaagg accgtgacta cattgacttt ctggtcactg    2160
        agttcaatgt gatgctctag aggccaaggc ctgagggcct cccaccactg cccagcccct    2220
        ggtcccagtc cctttccacc gttggcttca tcaagctcct tgcggggttg gggctgcatg    2280
        gccagggtgg caggaagaca tcccccctcc atcccagccc actggaccag aactgggaga    2340
        ggaagagagc aggacaaggc agacagaagg tcaggtcagg aactggtgct gtactgggta    2400
        cacagtaggc gcccaggaca agtgggttgc aagacaggaa gaaaggaaaa ggaagggcag    2460
        agtgctggtt tctccaggtt gggttggggg cactgctgtc cccctccag ctaggaccca     2520
        gcccatcccc agatgcctga gcctttgtcc aaagtgaggt cactcgagaa ttcatggaca    2580
        cggcccccag tcaggggca tcttgcaaga cctttagtgc cacaaataag catcgagcac     2640
        ctccccattc acaccccat tcctcctggc tccttatccc ccatggtgtt tattatttat     2700
        ttccctcccc atgcccctgg gaccccaag gccccagctt ccctctgcac ccccagccta     2760
        tcccagaggc cttgcaggtg accagcagtg tcattgtatt tatatacaga gcttatgact    2820
        ttaatttttc aataaagaaa tctgaacaag gttagaaaaa aaaaaaaaag gggggggccgt    2880
        tttaaagaac caaatttaac gtccgggggc tggcaaggga aaagttttt tataggggccc    2940
        ccaaaattaa ttccccgggc gggc                                           2964
```

<210> 3029
<211> 2465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2466)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2465)...(678)
<223> similar to gi4240271 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3029
tcctctgtcc cttggctata ttgagatcct gacgatgcct accaagctgc ctcttatgta   60
ggatccagaa ccagtgggat gaaagagcag caggtaggct ccaaagagct gatagcactg   120
ggggcttcat gacccatagg acatgagctg ggaccccatc atctcccttc agactagggc   180
actttcaggg tctctcatat ataaacacac atacacacac atacacaccg caaatgatgg   240
ggaggggagg tggccccagc atgtggtgga tcacagtcac taagtctact tacttattat   300
ttatttttaa aatatattta aacagcagca gtcacttcca aaatgcaaaa aaaattacaa   360
tttttagaat aaaattataa tgtttataat gcgggtcaga agaattgaag gtacaacaga   420
atcaaatcac gcagcactgg aggcggctgg agaagccaaa gcccactggt caggggtcca   480
agctgacaag aagtcccaac ctgagaggtc tccacaccca aatcataccc ctcagcttcc   540
cactgacaga gccagtgtcc tctgggttag agaaggagaa gcggcaagga gctggccctc   600
tgtgtgggtg tcccaaaccc agtccccccc atcagccagg gacctgctaa tccacctcct   660
ccatgttgct gtaggtgggg gctggccgat ccacaggggg ggcgaagcgt tcaggggctg   720
tccgcgtggg ggccacctcg ggggcctggc cagggcctag tccctggctg gcagcagcct   780
cagctgcagg gcctaggtct gggtggtgct cagagtgacc tgccctgggg ggcctctcca   840
caggagagtt ccgccggcgg tagaagagta cataggcata acgcgtcaca acctggctct   900
cgtctaccgt tgtcactgtg ctgtcatcaa acaagcgcca gcccacgtca ctgcgctgac   960
tgctacgatc attgggcagg cgtgcacagg cagtgtagtg gccaccaatc atgcctccat   1020
agtggttgat gacagcatat agatcgtagc tgggcagctg ctcctctttc tgaccaatgc   1080
agaacttgct caggtccagg ttcctaacag ggaactccac caagtcattg atcttgtcac   1140
gccagataaa actacgaaag gagaagcgct tgagctgcac gatgagaaca tttggcaggc   1200
gccatagcaa cagctgcttg gaggcctcac ggtgctgttt gcactgtggg cagtaccagg   1260
cctcctcggg tgccagcacc tcaggccgtg tgaagaggtt gaggcactgg tccagggtga   1320
agtggccggc ccgggcagcc tcaccggcag agcctggatc ctcagcacat tccagctcct   1380
tggaggctac caacacaaac tcctgcaagc gctcattgtt ccgccagacg agagccaggc   1440
tacagtcgtc acccagctcc agtggggtgt ctcctttgtc ctctagccgc tgctctcggt   1500
tggatgaatc aattttatag atgaagaact ggggtgtgtg ggcattcata gcttcacttg   1560
gatgctggta cccaggcaca gcagcttcgg gtcgggacac cctctcgcca gctggcaagg   1620
agccaacctc aatgggccca ctggccagca tctcagaaga aattccactg gtgctgggca   1680
caggaccccg gtcaggggct gcccacaccc ggggaagccc tgtgtccccc tcagccatag   1740
gggtcaccag ctggagctca ggtggctgaa tggggtctct ctcgctgtcc ccagcctcca   1800
gggaacctgt ggagagcagt gtggtgcagc cagggctctg agactccaag gccatgcggc   1860
ctggctgaaa gggtggctgg aatacactca cagagtaccg ggcatagccc tctagcaact   1920
gagcgaggcg ggcataagtg aggcgtgagg caggtacact gaccaggaag gggtagccaa   1980
tgttctcagg tcggcagagg cccttgtggt caggccagtg ggttttctgg cagagctggt   2040

1833

```
tgcagtagcc cacacggtag caccgggtac agcgcttcag cttttcatcc tccgactgtt    2100
gcttccgctg gcaggctgca cacttggaga tggggacgct gggcacctgg gggcgctgtt    2160
gcacctctag caccactacc cgctccttag ccaactctga ggatagcagc tcaaagcaga    2220
ggagcgtatc agatggggac acagtgtcca gtgagtggga gggtaggaac acacgatgaa    2280
aacgattctt aattacctcc gccaaacgca ggttctcagc gcttcacatg cacactctga    2340
gagagggagt ccaatacttc gctcgcagtg gagttctcct tgctgacgct cacaggaact    2400
tgtgggctta atntcggtct ntgcgggcnc nntaanntgg tntcaggttn ncacgnnngg    2460
aaccc                                                                2465
```

```
        <400> 3030
tttttttttt ttgcagagga actgactcat ttatttgtgg atccaatgct ctcttcccac      60
tgtaccggtc ctaatttact gcagccgagc tcctcacatg ctggactatc actccatata     120
agggttgcgg tcagtgggca ggggtctggg tccaaggccg cagcaggagg aactggacag     180
cggaggaagt agctagggca tgtgcttggc ccactgcctc cagcacccca aatccctgcc     240
tgaggctggg gagagacctt ctgccggcgg ctcctcaggc cttcccggac ccggcctaag     300
gaggccaagc ggtttctctt ggcggagggc tcggtagtcc tcccggatct tctccaggtt     360
gctgagggtc ttcttgccca gctctgtctc gatctgctcc tcgaggtctc gaacctcccg     420
catgatggtg cctgtgtcct cgatggtctg gatgagctgg ctgcagttct cgtgcagagc     480
agctagatac ttataggcct tccgaacagc atcgtccttc ttggcatcct tgaacacaag     540
ctcatcagtc accgcaaacg tccggtccag cttcccagat agggagttga tttccttctg     600
aagctccttc gtatcagaca agatcttggt gatctcttcc ttctgcttcc ggatgttgcc     660
cacgatctcc aggatgcgct gggtgtaggc cagccgggac acatctctgg gcagagtctc     720
cagctctgac atctaggcag ggatatagca ggcactgccc caggaccatc cccccaccct     780
cttaagctac ccaggtccct cacacaggcc ttaccagctg cttatagacc tcctccttcc     840
tgcgggcctc ttcagcagcc gcccggacac tctggtgcag ttcttggatc tctgccagcc     900
gtcgagaaga ttccagctct ctgcaatcct gcagctttcg ggaattccac cacacggagt     960
agtgatcgaa annnnnnnnn nanggtgttc gagcnnnnnn nttctcatct                1010
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1836)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1835)...(410)
<223> similar to gi5441615 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 3031
```
tttttttttt ttaatcaaaa agttttttaa atttatgtaa tgtctcatta atatataagc    60
tttttccttg tttcatacaa aacaggactc cacacactta ggatggaaat ccacacactt   120
aggatttcca accattttac atgatgcttg atgaaaatat cttttttatat cactttatcc   180
atacaatact ttagtctttt aagagaatac tgaaaatagt ccgactttca aattttaagt   240
gcaataatta gtatggttaa ttgatattta ggaagggcat gtaatgttct tagaaaaaga   300
actttatttg gaatgtaaga ttttattcgg gataatcggt tcttatgcct taaattccct   360
tagttcaaat aaactaatgt taaagaatta tggctgtttt ttaccaaaat tctctacaat   420
tgtatgatta ctctccaaca taacttcaag atggttgagg aaaataaaac aggtagtctc   480
tgaagttttt ccacaggaac agcacgctaa gtgcttcttt ctggagttat tttgtgacac   540
tgaatcgcca aagaaaagct tcctatagag ttaacagaga cttctcttgg gctgaaggct   600
gcttgtgggt tccacatgca gtctctgtga gaatgggatt cttgtgtcag ccatgggtca   660
caacttttct gtgcactttt ctggtgctgg attaggtggc catgctggtt gaaggcacgc   720
ccacactccc cgcactcata gggcttctcg cctgtgtgga tccgctggtg ctggatgagc   780
actgagtact ggctgaaggc cttcccgcag ctattgcact catatggctt ctcgcccgtg   840
tgggtcctca ggtgcacaat cagagttgct ttcaggctga aggctttgcc acattctgtg   900
cactggaagg gcttttcacc tgtgtggatt ctctcatgct ggatcagaga ccggcgtgca   960
ctgaaggcgt gcccacattc accacacaca tagggcttct ccccagtgtg gactctctgg  1020
tgctggatca ggtgtgagtg ctgaacgaag gccttcccac attcgtagca tgcatagggc  1080
ttttcctcgg tgtggatccg ctcgtgattc atcagtgtgg agcggtggct gaaggtcttc  1140
ccacactcac tgcactcata gggcttctcc ccggtgtgca cgttgtggtg ctgaatgagg  1200
actgagcggt cgctgaaggc cttcccacac tcgctgcacg tgtagggctt ctccccggtg  1260
tggatcctct ggtgctgcag cagtgtcctc ttcacactga aggttttccc acactcattg  1320
cacctgtgag gcttctcccc agtgtgtacc ctctggtggc tccgcagaac agtgctatgg  1380
ttgaaggctt tcccacacaa cggacacaca tatggccttt ctcccgtgtg gatccgctgg  1440
tgctgaatga gatgtgagag ttgagtgaag gctttccgac actcaagaca ttcgtgaggc  1500
ttctctcctg tatgtatctt gtgatgctga gcaagatctg agctcactct aaaggctttt  1560
ccacactcat tacactcata gggcttctca cctgtgtgaa ttctcctgtg tttactaagg  1620
actgagctct ggctgaaggc cttcccacat acactgcaca cataggactt ctctccagtg  1680
tggttacgct gatgctgaag gaggtgggaa ctccggccaa agcacttccc acactcaaca  1740
cacatgtagg gcctctctcc acgtaggnac tgcctggtgc ggagtgagtg gcatgctttg  1800
gcttaagacc tgaacttcac ggtggtcaac agagt                            1835
```


<210> 3032
<211> 1031
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1032)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (769)...(253)
<223> similar to gi6678 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3032
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tttttttttt ttgaaaccga gacaaccttt aatcaggaaa cctcagagag acgcatgaca      60
cctggcggta cagtcccagt gagtggaatc ccagccggac gcaactcttc ctccaggaga     120
acttggcagt cccaaccctt ctcaaaagat gagccagcca cgcggtccag ggaggatgct     180
gacagtggaa acgacttcct ccattcttac agcacattcc aaacacttct tgggaacaag     240
gttacatcca gccttggggg tcttccatcc tcaccagggc ccctgcagga gggagcccag     300
gcatccccac caggttcatc cttggagctg ccctgcacac accctgggcc actggcagag     360
gtcctctctc cagagtctcc cggacacagt gacctcctta catggtggac tcttcccccc     420
gagaagcccc cactgggggc tgctgggggc cagggtgggt ggtggctgca agggctgtgg     480
agagtctaga ggtggtggga gaaagcacgc gaggcccgag gagggtgatg ggggtcttcg     540
aggggctggg gtccatcatg gaaagtgctg aagcttccgt caggagggtg ccaggcagag     600
gaggccacct ggacactatc tgggccccag aggctgagaa cgagcgctct ggagtcacag     660
gaggtggctg aggagcccct ggggaagcta gaggtagagt gggggctcct ggaggggtcg     720
aaggccctgg tgagagtcga ggggaggccc caggctcccc tgggaaagtg gctgtcagcc     780
ccaaagcgag tgagtgtgga ccatgagctc ctgccgggct tgtaggtaaa gtctgtgttt     840
tcatcaagtt cgttcttaaa aggagctgga ggagatgaag ccccggcctc gagggtgatg     900
ccgtcggggg cccaggacag gagctacagt tgacaggggc ctcagtgtct ccatgcaggc     960
tccgaccagc tttgccgaat gccacatttc cgaattccnc cgcntggact aaggtcatcg    1020
aaagtcgaag g                                                         1031
```


<210> 3033
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (730)...(721)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3033
```
tttttttttt ttatgattaa tttgttttct ttattgcaaa aaaaaagaat taaagaaaaa      60
aacatttgtt caaaagctac ctcaaaagtc ctcctaccaa acatgatttg gcaatctttt     120
```

```
tgcatgatta gtatgatggc agtaggagct ttgtttaata agcaaacatg atgaaaattc      180
caaaaggtgc tatgcaaaag atcagaagga agatgttttt cctgagaccc tctgccaact      240
gttacttctt ctgatgcctt tcctgcttct tgaacaaggc ttaagacagc ttctctgttc      300
catttctgac cactatgtgg cacccagaac tttgaagtag gaaatagaaa aaaatctgct      360
taactagtga tttgctgtga atctttaatc aatgcctctt aaaaataatt catttatggc      420
cgggcgcagt ggctcatgcc tgcaatccca gcaccctggg aggccgaggc gggcggatca      480
cgaggtcagg agatcaagac catcctggcc aacatggtga aacccccgtct ccaccaaaaa      540
tacaaaaaat tagctgggca tggtggtagg tgcctgtagt cccagctact tgggagtctg      600
aggcaggaga atggcgcgaa cccaggaggc ggagcctgca gtgagttgag atggggccac      660
tgcacttcag cctgggcaac agaccgagac tccatctcaa aaaaataaat aaataaataa      720
aaataattca tttatttttt tcagtgattt ggaatatggt ggct                       764
```

<210> 3034
<211> 1674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1676)...(1379)
<223> similar to gi1872200 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3034
```
agtactagct tcagaaggaa aagctttatt ttctcagaga aaagggtggt agattaagga       60
aatgacccag catgttggta ttttgttgtt gttgttgttt aggtgtacat ttaaatgctt      120
atcaaaaagg aaacattgtc atgtcaaaga ccactgcagg ggaagcccag aggtggctgt      180
aagcaagcag atcacaagtc cttttaagaag ttctttcaaa tagcagtaga gctcagaggg     240
gggctgttgt ttcaaacaag attcaattag catcaagtta ttaaagggca gccgggggaaa     300
caagaataat attgacagac ctgctttta agcagtatct tttccctcta atcagctgag       360
tttgttggag ctgatcattt tatttcttca actccattca actataggtg caaagaatga      420
gaacttcagt gtaactccaa ttttctaaga gaactaatca tattgctgct ttataaaaaa      480
ggtaatcttt cacagttgct tagatttatg aataattaga tttaaagcat tatactggaa      540
tctagaaatc tagctaaaag agctgaggtt cttatctgaa ttatttgggc cgttagcctt      600
ctgttgaact atagaaagaa cttaaagata tagttgtaaa ataaggacgt actccccaaa      660
actgtcccaa gtatccactt gattctgtat ctttatattg catctttttc tcatatttct      720
gcaagtttac ataaactctg gtcaactatg aatgcctccc gggatgagaa atgggagttt      780
gggtgaaata gattagagaa taggttttgg ggttttttta aaccacatac tctcttgtca      840
actttcaagt tttgtgcttg tacctcttcc aaagtattca tttgaaaata tttcattttt      900
gaaatcagaa aggcactgtc tgtgctctct ctccgccaga tactcagtct gggttacagg      960
aagtagaaat ttgtgactac tagcctttcc cagcctcctt tgtaactctt gactttggaa     1020
atgggaattc agccactgag aactttttga tgtgcagctg cctttctcag ggaacactaa     1080
ccaagaaaca aagtcttcag gtcacctttc ctcttccttt tgtgaggaca ggagacaaaa     1140
gaacaagatc tccctgaagt gtctccttgg ctttacaaca ttccacagta ggcacctaac     1200
acttgagtta aatgtgcaga ctacacacct accataaaat tagggcactc aaggtaagga     1260
aagtatttcc atagttactt ggatatttgg cagagtagtt ttctctctta aactactaat     1320
tgcccataac ttgctgggtg tgtacacaac ctgtaggaag tattattttt aaaagttacc     1380
ggctgggagt ggtggctctc gtttgtaatt ctagcacttt gtgaggccga ggtgggcggt     1440
acacctgagg tcaggagttc gagtccaacc tggccaacat ggtgaacccc gtctctacta     1500
aaaaaaatac aaaaaattag ctgggcatgg tgctcatgcc tgtaatccca gctactgggg     1560
```

```
atggtgaggc aggagaatca cttgaacctg ggaggcagag gttgtggtga gccagaattt    1620
ggccactgca ctccagcctg ggcaacagag caagactccg tgtcaaaaaa aaaa          1674




            <210> 3035
            <211> 1640
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1643)...(917)
            <223> similar to gi861406 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters




            <400> 3035
      tgcaaataat atatctaaca tacatccttt caaaatgtaa catccttaac tagttaacat     60
      agtctagagt ctaggggcaa agacaagcaa atattgatga tttagaaatg cagtagcacg    120
      ttaggctaca acatggttaa ttccaagtca cttcatattt tgcaagttct ttgctcctat    180
      gattgaatac ttcaaacatg tatcttatct ttcctcctga gtatccaaaa gtgctttgga    240
      gagcaaaagt gctttgtctc ccccttttccc aaaaacaagg aggggggata gggctgtagc    300
      aagaagggcc agctgctcta gagaaaatgt ggcagtacca gggtaaatgt tagcatcctt    360
      aagcgggtat cttcagccag caaccctggt gtatgggggc tagtgacggt aggatttcat    420
      gggtaaccta agaacaactc ttttcagggc atgttttta ataatcttaa aaggattcct     480
      caggttggct ttccctaact ggaaaatgga gataaaaaaa aaaaaattcc atccccaagc    540
      tgtcctttca atgctcccc agctggtctg ggcacactcc ttcctcttgc accccttaga    600
      gcgggccagc agctccctct gggagaaatg aggcccctta gctgtgcata cccagaggga    660
      acgaaacatt ctcttctgta gcaggtgccc cgatttagga agacaattct ccaaagcctt    720
      gtgagctagg caagagtcca gagagaacac atttttttcc tctgaatcaa gtctttctct    780
      catttacaca gtctcatctt aagaacttta agtgtgaaag gaaatatgct aaattattct    840
      gagctgtcca cttagagtgt ggtgtggatt ttcccactgt ttttaaacac acagaaagac    900
      acactccaaa aggcctttcc ttcttgttca ctggtgtggt ttattcttga agcaaggtct    960
      ctctccagtt gaagccccca gttggtccat gggtaagagg aaggattggt ggatctgtca   1020
      gctgccatat tccagtttct cctaattctt cacaggaaca aaatcccaga tatgggatct   1080
      ttcggaccat ttgtacgaag tccttggagt tctgaggtga caggccctga agttggcagg   1140
      tacacgcttc aagggaagat gcgtgggcca ccaatccagg atgttatttc ctttacttttt  1200
      acattcactt attatttctt ttgttacttg gaaacttcta ctgatataag tatcatagga   1260
      ttctgaaaca actaatttgc tgattggaat gtgaggtctg taggttgtat caacactcag   1320
      gttggctgca gctaactctg atggaggtat ccatgcaggt aatgtgctcc cagcaaccca   1380
      ttttgtccac tcaaataagc cgggctctac acggatcttc aagtgatttt cttgttgtaa   1440
      acctttcaag atattgtgtg cagtctgaac gcagcgaagg gacggggagc aatagacatg   1500
      atcgataatg gtattgctct ctaataaggc ttcacccact agtcttgctt gcatgcatcc   1560
      aaacacagtg atgggagcat ctttctcgta atctcggaaa ccaccactcc gctgaggtaa   1620
      actatgaggc atgttcaggg                                              1640




            <210> 3036
            <211> 4100
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4101)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4102)...(386)
<223> similar to gi4914619 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3036
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tttttttttt ttgagaatgg aagcaaaact tttattcctt cttggctgga gaaaggagaa    60
actatgtggg tggttgtgta cccaggaccc ccattccttc accccctccc aagaaccaaa   120
agaagacaaa gcagcggcca cccaaatggg ctcccctctt gcccaaagtg aaagccgaga   180
ggtgcagcgg cttggctggg gaggcaggtg agcgcaagca ccggcacagg gcaggggccg   240
gcttgcagtg acagggcggg cggcccaggg cggcccatgg ggccgggggtt tgaaggggaa   300
gaggcgccgg ggcttgcttg ggtaagcggg gcaaggcttg ggggggctgc cggcttggca   360
cggggcccca ggactcaggg gcaccaacaa cgcgggtaag ggggctggcc tgggaatggg   420
cttcgtcccc cccaatttga cccaccagtt gtgtacttcc ccctttgtcc ttgaagcagg   480
taaggacact cctgtagagc caggctgccc gacgtgcttt aaccaggatc tcctcggcag   540
ggggggtcctt tgggccatga accccccacca gcaagcatgt tggatgcctg ctttggcggc   600
agtcctatgg tgaaagcggt tctttctggc cctacggtag gccgttgctt cagcccccag   660
gcccctgggc caccacccctt ggctggcgtc agcaggcccc aggaccccccg ngcccccatg   720
ccttgggggc acaggtgggc cttgggtcag agagtctacc aacacttgat gatgtctcgt   780
ggggagcctg tgttgctgac gagaccgggg gccctgtgac tttggccctt gaaggggctg   840
cccccaatgt ggtaggggcc gccgtacttg atggagatga ggtagctgcc aggtgccatg   900
ggggtatagg tgacgcggta gccctcaggg cactcctggc aatccatctt caccttggag   960
gggccgtcaa tggtcaccga cagggcacca gctcccgcat tgctcgtgtt cacgacgaac  1020
tcagctgggt tccctgtgac accgccttcc agacctgctc cgtaagcaga caccaagcct  1080
gggtcccctc catgcccagg ctccccaact cggatcttga aggggcttcc agggatgtgg  1140
gtgccgttga acttgacgtc aatcaggtaa acgccattct cccgagggat gaagcgcaca  1200
gcatacttat cttggtcaat ttctgtgaca tagcactcct ccagggctcc tgaggggctg  1260
tgcaccttgg catcgatcgc ccccttggcc ccgttcaggc tgactgcaaa agaggctggc  1320
tggttgacct ttagccctga ctcctggaag cacagcagac atggttagat gggggtgctt  1380
gagccagggc aagggaggac ggaaaggccc caggagcaac aggcccgcgg gtcgcactta  1440
cccatctggc gtccaacttg gtttaaagag ggagagccac tgatttgcaa ggggcagcaa  1500
gccacaggcg cacatccccg cccctgcccc cacactctgc cgtcgcacac acccaggtgg  1560
caggaaggga gggctgcccc accctgtggg cagcacccag ccttggcagg ctgtccctct  1620
ttaaaccgca gccctggtgc tcaaggggca caggcttctg ttcaaagcct ccagacctga  1680
gacacgagaa aaactccacg tggtgggcag gatatttcct gccgaccccca agcgtgggct  1740
gcacccggcc agagcagagg cctggaaccc agagctgggc caggggggtc actgaacaca  1800
gggccaaggc ctggtctctg cggtggctct ggtctgtccg ggcccaggag ccccaggtgg  1860
gcggtttctc tcggtgcctc acccgaaggc tagaaacagt gaggcggcgg gcgtcgccag  1920
acggagaagc cacaggcacc acgaaggggc tgtcgggaat gtgttcctcg ttgaacttga  1980
ctgagacttc gtagtcacct ggctccttgg accacataag ccacaccaca ggagccgtcc  2040
ttgcggtcct caaaagagat ctcagccttg ctgggcccct cgacagcaat ggccaggcct  2100
ccagcaccag cttcccgggt ccagatactg aaattcggct tgccaattag agcttctagt  2160
actccccagt cccaggtcct ccaagcacgg acctatgtga ctcccccttt ccactagggg  2220
ccccacggtg aactggaagg ggctccccag gcacgtgctt ggcccttgta cttcacgctt  2280
gactgtgtgt gtgcccatct cagcgggaac aaagcggatg cagtaggtgt ggttctcccc  2340
```

```
ttccacgatc tcggccctca tgggtccttc ccgatgggct ggtcacctgg gctgtcatat    2400
cctggatgct aatttcaggg attttcaggc tgaggtcaca atgactacca acgttggcca    2460
ctgaaggagc ccgacgcctg cgggtgatgg ctctctttca cccggccctc gcctgtcacc    2520
ttcacagaga aggggctgcc aggcacgtgc tggtcggcaa acttgatgtt gatgatgtag    2580
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gttgatgtcc accttgctgg ggccctcaat ggacaggctg agcccaccat agcctgcatc    2700
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gggcacgaat gaaatcccca cgtggccatt acgcagccgc ttcagcaaac agggctcctc    2940
ccggcccgag ggcgggacca cagtggccgt cagcaggctg agatccgtct ctgagatgtt    3000
gatggggatg tcggcagcag agccgacctt taggtgggac atacgcatgg agtcgtcacc    3060
tgtgacccga gcagtgaagg ggctgcctgg gacgtgctgt tcattgtact tgactagaat    3120
gctgtagtcc cccggcagca caggcaggta ggacacgctg catgtcccat cctggttgtc    3180
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aggcccatag gcagtgacat ggccacagtt gacgtaatcc acatagaact gcaaggggct    3360
tcctgggatg tgcatgttgt catagcggat gtccatctcg tgcaggccag cctcgctggg    3420
tgcataccgc acggtcacgg tgccgtcttt gttgtcagtg atgggggctg ccgccagcct    3480
agcctaaggg catccaaacc tcccctgtga tctcgccctt cttgatggtg aaggggatga    3540
caaggtcaaa gggcctcagg ctggtcacat ccagcccatt gacacccacc aggggcctct    3600
ccggggccca agtctgctgg ccgccctggg cgtaggtgta ctgtggggcc agctgctgag    3660
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agccatcagg cgtgcacacg gtgcacgtca cttttgccttt gcctgccgcc ttagtgtcca    3900
cagtgatcac cgtctcctcc ccaatctgaa tggtggggcc gatgccagca cctgtgacag    3960
tgcacttgac cttggacgca tctgtcacat catgcacagg gaccttgaaa ggactgcctg    4020
gcacttgatg gccaccatag gtgacgttga ggctgtaggt gccagcctca taagggatgt    4080
actcgaccga gcagctgccc                                                4100
```

        <400> 3037
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ggaattcgta cttcatcacc taaaactgaa ggcaagcacg aagaaactgt taataaagaa      60
tcggatatga aggtgccaac tgtaagtttg aaagtatctg aaagtgtaat tgatgtgaaa     120
```

```
acaactatgg aaagtatatc taatacgtct acgcagtctc tcacagcaga aacaaaggac    180
atagctttgg aacctaagga acaaaaacat gaagacaggc agagcaatac accttctcct    240
cctgttagta ccttttcatc aggtacttct accaccagtg atattgaagt tttagatcat    300
gaaagtgtaa taagtgagag ctcagcgagc tcgagacaag agactacaga ttcaaaatca    360
agtcttcact tgatgcagac atcttttcag cttctctctg catctgcttg tcctgaatat    420
aatcgtttag atgatttcca aaaactcact gagagttgct gttcatctga tgcttttgaa    480
agaatagact catttagtgt acagtcatta gatagccgga gtgtaagtga aatcaattca    540
gatgatgaat tgtcaggcaa gggatatgct ttagtgccta ttatagttaa ttcttcaact    600
ccaaagtcta aaacagttga atctgctgaa ggaaaatctg aagaagtaaa tgaaacatta    660
gttatatccca ctgaggaagc agaaatggaa gaaagtggac gaagtgcaac tcctgttaac    720
tgtgaacagc ctgatatctt ggtttcttct acaccaataa atgaaggaca gactgtgtta    780
gacaaggtgg ctgagcagtg tgaacctgct gaaagtcagc cagaagcact ttctgagaag    840
gaagatgttt gcaagacagt tgaatttctg aatgaaaagc tggaaaaaag ggaggctcag    900
ttattatctc ttagtaagga aaaagcactt ctagaagaag cttttgataa cctgaaagat    960
gaaatgttca gagtgaaaga agaaagcagt agcatttctt ccttgaaaga tgagtttact   1020
caaagaattg cagaagcaga aaagaaagtt caactagcct gcaaagagag agatgctgct   1080
aaaaaggaaa tcaaaaacat aaaagaagaa cttgccacta gattaaatag tagtgaaact   1140
gcagaccttt tgaaagagaa agatgagcag atccgagggt taatggaaga aggagaaaaa   1200
cttttcaaaac agcagctgca caattctaac atcatcaaga aattaagagc taaagacaag   1260
gagaatgaaa atatggttgc aaagctgaac aaaaaagtta aagagctaga agaggagttg   1320
cagcatttga aacaggtcct tgatggcaaa gaagaggttg agaaacaaca tagagaaaat   1380
attaaaaaac taaattccat ggtagaacgc caagagaaag atcttggccg tcttcaggta   1440
gacatggatg aacttgaaga aaagaaccga agtattcagg ctgccctgga tagtgcatac   1500
aaagaactta ctgatcttca caaagccaat gctgcaaagg atagtgaggc acaggaagct   1560
gctctgagcc gtgaaatgaa agctaaagaa gaactttctg cagcattaga gaaggcccaa   1620
gaagaagccc gtcagcagca agaaacatta gccattcaag tgggggacct taggcttgca   1680
ttgcagcgta cagaacaagc ggctgccaga aaggaggatt atttacgcca tgagatcggt   1740
gaacttcagc agagactcca ggaagcagag aatcgaaacc aggaactgag tcaaagtgtt   1800
tcatcaacaa caagaccatt gcttcgacaa atagaaaatt tgcaagcaac cctgggatcc   1860
cagacatcgt cgtgggagaa attagagaag aatctttctg ataggcttgg tgaatcccag   1920
accttgctgg cagcagcagt tgagagagaa cgtgcagcta cagaagaact ccttgctaac   1980
aaaattcaga tgtcttccat ggagtcacag aattctcttt taagacagga aaacagtaga   2040
tttcaagccc agctagaatc agagaaaaat aggctgtgta aactggagga tgagaacaat   2100
aggtaccagg ttgaattgga aaacctaaaa gatgaatatg taagaacact tgaagagacg   2160
aggaaagaaa agacattgtt gaatagtcag ttagaaatgg aaagaatgaa agttgaacaa   2220
gaaaggaaga aagccatttt tactcaagaa acaataaaag aaaaggaacg caagccattt   2280
tctgtttcta gcactcccac catgtcacgc tcaagttcaa taagtggtgt tgatatggca   2340
ggactacaga catcttttct gtctcaggat gagtctcatg atcactcatt tggaccaatg   2400
cctatatcag caaatggaag caatctttat gatgctgtaa ggatgggagc aggatcaagc   2460
ataattgaaa acctacagtc tcagctaaag ctaagggaag gggaaatcac tcatttacag   2520
ctagaaattg gcaatctaga aaaaactcga tcaataatgg ctgaagaact agttaaatta   2580
acaaatcaaa atgatgaact tgaagagaag gtgaaggaga tacccaaact tagaactcag   2640
ctaagagatt tggatcaaag gtacaacact attctgcaga tgtatggaga aaaagcagaa   2700
gaggcagaag aacttcgatt agatctcgaa gatgtaaaaa atatgtacaa aactcaaata   2760
gatgaacttt taagacaaag tctcagttaa cttgtgaaaa ttgaattccc atcaaactga   2820
atgtaagcat ttaatatcta aacatttaat gcggacttcc aataaattct tttatataat   2880
tatatagtgg gatttactgt agagtgtaaa aatttttta aaattgattt acactatgta   2940
gtaatatttta cagttaaatt attttgtgca atatttgaac tttatttttg aaactattct   3000
ttaaagattt attttttaaa gcattcattt ttttttccttg aatagcacag agatttatta   3060
ctttatcctc atataaatat ggctagagaa gaagaatggt gttcatatat gtattgtaga   3120
tatacaacta gttgtatcta taatttgtaa gtgtttatat atatattaag aacatttgaa   3180
gagtaatgtt aacatactga aactttgaaa tctttcacat ttaaaatttc aacatatctt   3240
aattactgct catgaaaatg tacattaagt gttaaagtaa aaaattatta aatctgtggg   3300
ctattaaatt ttaaactaat tttttttccc tttaaaagta aggagtcaca ctggacactg   3360
tctggaaatt taaaggngtg gaatggttta aactnaaaaa nattttggtc cggaaatttn   3420
ttttcacc                                                            3428
```

<210> 3038
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (719)...(150)
<223> similar to gi3875920 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3038
tttttttttt ttgctgttgg ttgccttact ttaatgctga cctagcagcc ccgacaggaa   60
gctttaacat aaagccttga ccctgagaag catgggtgcg tcttgtcgtg agcaggttca   120
tggctgtgct ccatcctcag cccgctgatt tttggtcttt tgtcctttga tccagcagtt   180
cccacgtgga tgttgtactg cttctgtcct tgatgttgat gccgtgggca gtcaggcccc   240
ggcgcagggt gtcgcatgct tccagcaggg gctgcctttc taggagctgc tgccgccggg   300
cgtcccccgt ggcctcgggc atggccagcg caaactgccg gaccttctgc cggaaccgca   360
ccagctcgtc caccacacca tgcaaggtag cctcgctgcc gtctcctgaa acgtactgtt   420
gatttgccag agaaattcca acagtttcaa aaaactgttc aaagtaagag atgatggcac   480
caaacacagc aggacttctc ggcccttcag gttccttcag ggacgccctg agctgtccat   540
tcccgtggtg tgcaaggccc aggatggcat caaccaccct gggtgtgtca aagtcatctg   600
ccaaggccgc cttcacggcc ctcttggtgc tggagagcct gagggaagag gagagaacag   660
tcacagcaga gggagctcca ctctccccag gcggccccca caccagtcct tccccaggga   720
gagacgctgg gggctctaat ctggggactt tctctaggtc atattcccaa agacttgagt   780
tcctgagtag cagaaaatta tgtaacatca actgcaaact gtcatg   826

<210> 3039
<211> 1091
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(574)
<223> similar to gi220637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3039
acgttttccg caccagttgt aacctcaaaa gccacaagag gattcacacg ggggagaatc   60
accatgaatg taatcagtgt ggaaaagctt tcagcacaag gtcctctctc actgggcaca   120
atagcattca tacaggggag aaaccttatg aatgtcacga ttgtgggaaa accttcagga   180
agagctccta tctgacacag cacgtaagaa ctcatactgg agaaaaaccc tatgaatgta   240

```
acgagtgtgg gaaatccttc agcagtagct tttctcttac tgtgcacaag agaatacata      300
ccggagagaa accctacgag tgcagtgact gtggaaaagc ctttaataat ctctcagctg      360
tgaagaaaca cttaagaact cacactggag aaaaacccta tgaatgtaat cattgtggga      420
aatccttcac aagtaactcc tatctttctg tgcacaagag aatacataat agatggatat      480
gaattactgc aggaacttct ggaggaaagc actcattgat ctttcatccc taagatagtt      540
tgagagagct cacactggat atataagtta tttgttgcag cataacaaat gatccccgca      600
aattttgtgg cttcaaacac gaaatgttta ttctctaaca atttctacag atcaggaatt      660
caagaacagc ttatctctgt agttacactg caggatctct catgccttta cttacaatca      720
agatgtcagc caaagctata gtcatctaac atctttactg atgaacagtc cacttccaag      780
atgacttatt cacatgcctg gaaagttgat gttggttgtt gtcagggggac cttcagtcat     840
taccatgtag gcctctttac aaggcccagc tccttgacaa tttggcaata agttctcgcc      900
aaggttagtg atccaagaga ggaccaatac agaggccaaa atggctttta tggcctatcc      960
tcaggaggac tgctaagctt tcacttattt cctattgtgt tggtctcaca acacaccaat     1020
cctgatacaa tgtgagagac tgcagaaggt atgaatacca ggaaacagat aactcagaag     1080
catctgggaa t                                                          1091
```

<210> 3040
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(647)
<223> similar to gi2072969 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3040
```
aagctaaaag tctcagcata gaagctataa aaagaaacaa gtggaaattg tagcactgaa       60
aatacaataa caaaatttac tggaaggtct caacacaatg aagatgactg agggaagagt      120
cagtaaattt gaagatacat gagcagaaat tatctagtct gaatgacaga gaaaaaagtg      180
aaaaaaatga gaagaccttt ggggatctgt gggacaatat gagacagtct aatattcatg      240
tcttaggagc ccagaaagaa caattggaag aaaaaaatat ctgaagaaat aatagctaaa      300
aacttccaaa catctggcaa aaaacaaata ttcacataca tttacataac attctattta      360
aagccggtct gctggcacag caaatcccaa aaaggaaaac cacacccagg cacatcataa      420
tcaaagtgat gaaaccaact gtaaagaaaa tactttgaaa acaactggaa gaaaacaaca      480
ctttgtatat aggagaacca aagatttcag tgatggcaga tttctcatca gaaaccatgg      540
agcaacattt ataaagtgct tttaaaaagc aacaaaactg tcaacacaga atcctttatc      600
cagcaaatat attctttagg aaagaaaatg aaataaagac attttctttt ttttctttac      660
tttttttttt ttaataaaag ggagtctcac tctgttgccc aggctggaat ggaggggggc      720
gatctcagct cactgcactc cagcctgggg gaacagagtg agacttcatt gttgaaattc      780
gtgctccact ccagcaactg ctttcaatcg gagttccatc ctccgccgca gtatgcccta      840
acgcagcgtt atcttcagag ctacccacca gccttccgaa a                          881
```


<210> 3041
<211> 1796
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1233)...(558)
<223> similar to gi5420387 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


        <400> 3041
tggccatctt tactgtgggc tgaagcctgt gcgcttactc gcgcatgtgc aagccttccc      60
tcgctttcct cttccaagta gccttgccta gagcggagcc tcccgcgcca tttctgtgcg     120
cctgcgtagc gtgaccctgc gcagcctggg aggcgggtct tagctccagg tgcgtacggc     180
atctgacttg acgtggccca caactgaaag gtctggggag aaggcgccgt gtccgggtgt     240
ggagaggggc gtcgtggaag cgagaagagt ggcccgtccc tctcctcccc ctttccctct     300
ttcggaaagt ggtttctgcg gggcccggga gcctcggagt accgaacctc gatctccggg     360
gcggggtcct tggtggggac tgagcgcccc ctcccgggga cgggcggtct ggccgcggag     420
tccctgcgg gagcgtgatt ggctggaaac ggtcccgaac ccccagggga gcccgatccc     480
tgggggaccc tggcttcgga ctccagtatc tgtcgtcgca gggtccctgc cctagtggcc     540
tatgtccctt gctcggggcc atggagacac tgcggccagt acggcggcgc ctctgtctga     600
agaaggggaa gtgacctccg gcctccaggc tctggccgtg gaggataccg gaggcccctc     660
tgcctcggcc ggtaaggccg aggacgaggg ggaaggaggc cgagaggaga ccgagcgtga     720
ggggtccggg ggcgaggagg cgcagggaga agtccccagc gctgggggag aagagcctgc     780
cgaggaggac tccgaggact ggtgcgtgcc ctgcagcgac gaggaggtgg agctgcctgc     840
ggatgggcag ccctggatgc ccccgccctc cgaaatccag cggctctatg aactgctggc     900
tgcccacggt actctggagc tgcaagccga gatcctgccc cgccggcctc ccacgccgga     960
ggcccagagc gaagaggaga gatccgatga ggagccggag gccaaagaag aggaagagga    1020
aaaaccacac atgcccacgg aatttgattt tgatgatgag ccagtgacac caaaggactc    1080
cctgattgac cggagacgca ccccaggaag ctcagcccgg agccagaaac gggaggcccg    1140
cctggacaag gtgctgtcgg acatgaagag acacaagaag ctggaggagc agatccttcg    1200
taccgggagg gacctcttca gcctggactc ggaggacccc agccccgcca gccccccact    1260
ccgatcctcc gggagtagtc tcttccctcg gcagcggaaa tactgattcc cactgctcct    1320
gcctctaggg tgcagtgtcc gtacctgctg gagcctgggc cctccttccc cagcccagac    1380
attgagaaac ttgggaagaa gagagaaacc tcaagctccc aaacagcacg ttgcgggaaa    1440
gaggaagaga gagtgtgagt gtgtgtgtgt gttttttcta ttgaacacct gtagagtgtg    1500
tgtgtgtgtt ttctattgaa cacctataga gagagtgtgt gtgttttcta ttgaacatct    1560
atatagagag agtgtgtgag tgtgtgtttt ctattgaaca cctattcaga gacctggact    1620
gaattttctg agtctgaaat aaaagatgca gagctatcat ctcttaaaag gaggggctgt    1680
agctgtagct caacagttag gccccacttg aagggagagg cagaattgta ctcacccaga    1740
ttggaaaatg aaagccagat gggtagaggt gccctcagtt agcacctgtc ccatct        1796




<210> 3042
<211> 2707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (337)...(1052)
<223> similar to gi5262621 in the genepept database release 114,


1844

Run with FASTXY 3.3t00, default parameters


<400> 3042
```
ccgccagcct gggctccgcg cagcccaccg atctgggcgc ccacaagcgg ccggcatccg   60
tgtcgagcag cgctgccgtg gagcacgagc agcgtgaggc ggcagccaag cgagaaacaa   120
ccgccgccgc ctgcgcaccg gggcccggcc gacagcctgt ccaccgcggc cggggccgcc   180
gagctgagcg cggaaggtgc gggcaagagc cgcgggtctg gagagcagga ctgggtcaac   240
aggcccaaga ccgtgcgcga cacgctgctg gcgctgcacc agcacggcca ctcggggccc   300
ttcgagagca agtttaagaa ggagccggcc ctgactgcag ttgcaagaac agcaaggaaa   360
aggaagccct ctccagaacc agaaggtgaa gtcgggcccc ctaagatcaa cggagaggcc   420
cagccgtggc tgtccacatc cacagagggg ctcaagatcc ccatgactcc tacatcctct   480
tttgtgtctc cgccaccacc cactgcctca cctcattcca accggaccac accgcctgaa   540
gcggcccaga atggccagtc ccccatggca gccctgatct tagtagcaga caatgcaggg   600
ggcagtcatg cctcaaaaga tgccaaccag gttcactcca ctaccaggag gaatagcaac   660
agtccgccct ctccgtcctc tatgaaccaa agaaggctgg gccccagaga ggtggggggc   720
cagggagcag gcaacacagg aggactggag ccagtgcacc ctgccagcct cccggactcc   780
tctctggcaa ccagtgcccc gctgtgctgc accctctgcc acgagcggct ggaggacacc   840
cattttgtgc agtgcccgtc cgtcccttcg cacaagttct gcttcccttg ctccagacaa   900
agcatcaaac agcagggagc tagtggagag gtctattgtc ccagtgggga aaaatgccct   960
cttgtgggct ccaatgtccc ctgggccttt atgcaagggg aaattgcaac catccttgct 1020
ggagatgtga aagtgaaaaa agagagagac tcgtgacttt tccggtttca gaaaaaccca 1080
atgattaccc ttaattaaaa ctgcttgaat tgtatatata tctccatata tatatatatc 1140
caagacaagg gaaatgtaga cttcataaac atggctgtat aattttgatt tttttgaat   1200
acattgtgtt tctatatttt ttttgacgac aaaaggtatg tacttataaa gacatttttt 1260
tctttgtta acgttattag catatctttg tgctttatta tcctggtgac agttaccgtt 1320
ctatgtaggc tgtgacttgc gctgcttttt tagagcactt ggcaaatcag aaatgcttct 1380
agctgtattt gtatgcactt attttaaaaa gaaaaaaaaa gccaaataca ttttctgaca 1440
ttgtaagatt gccttactgt ctgtcattcc ttattgctgg cccctttctc aggccggagg 1500
ccaagtggtg gagaaggaaa ggaaatgatc gaacgggcat gttgtcaagt gggcatgcca 1560
ctgggaaata ccaccagttt accctgaaac attgtcctca gaggagtagg aaagggatt   1620
ttgaatctct attttgctca aaagttcagt tcctgagata ctgatgactg agagtgctgc 1680
tgggaaattt tcaggattgt gtggtctttt ggggtttttt gttttttttt ttttaaaaaa 1740
aatttgaccg ttgttcactg tcccacgtga tcagttgtaa gattacaatg ctgcatgcta 1800
gtgggttaca taaaaaacaa ttccagtgat ggaaggcggt tataatggat ggtggtgtgt 1860
acaagatggc actgccatct ttgagcagag cccagctctg cagcgccact tcatcttttt 1920
aaacacccta taggtctgtt tgttgttgct gttgtccttt attttgaaag agttgcaaga 1980
gaagttacag tccaggtgaa cttggagatt gtgggattgg ttttgtttct gttttgtttt 2040
gtttatcatt tacctgtagt gctattgctg ttgatactat cacctatacc ctgtttctag 2100
tgagtgctga atacagtatg gtacaatgac agtaacagcc gcgtggtgct gccaggactg 2160
cccttgggca tatcagtgac agcccaaatg tgggtggagg aaacctgtaa tttccttctt 2220
aacatgtgtt tgaaatacca agtgaataat actgttctgg aaaaaaatga taaactagtg 2280
gaaattaaag aaattaaggg ttttatataa tagacaggcc ccacctctca aaatattttt 2340
agaagtcttt ttgtaaacta atttcttttg atcactattt tgcatcagta aaatgatttt 2400
tttaaaacca ataaatcatc aattattaga aatagttgtc tcacagggat actggttttt 2460
cttttgggct gttatgattt aacattgaca ggaacactat tttaaatcct tacgttcagg 2520
tgtttgtaac ttggccttat aattaggctg aattatggct tcaaggtcta caatttatgt 2580
gtatggttca cagcctagct ttctatttac atttgaaaat acagattttt accaactttg 2640
gattcttttt taggtatatg gttgcctttc ctttttaaat tgttcaaaac tatttttaa   2700
tggtcag   2707
```

<210> 3043
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1234)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (863)...(493)
<223> similar to gi3877572 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 3043
```
tttttcaaga acccaattta atcagattta cgaggggaca tgtacaaaaa acacccgaac   60
aatgcagaat tcatcgcaag actagggact gaatctggaa ggtagagtcc ccgccccagg   120
gaggggccca gcgtgttgga gatctcaagg ttttttccca ctgattctct aagtcttggc   180
cttatctaac acatgaaacc aaaccccaca actgaggcta agatttaaga gctacccaga   240
gctaaatttt cccctcccca agcctccctg ctctagaagt ggaagggaaa gaaggggaga   300
gactatgaac ctaaggagag tggagcctcc agcaccaccg gacagggact gcatagctgt   360
ccgacaactg agctcctcct gcctatctgt ggccaaatgc cctccatgtt tgcaggcagg   420
ttggccaaca ggggacaggg agggtggggg gaggcagagg ggtgccccaa acgccctgga   480
gaggccgaag ggaggagggg cagcactgga ggccccattc ggacttgctg ccacgggagt   540
caccactgca gggggccgat gtcagctccc agctcctctt cctttagctg gaagggcttc   600
actggccact tcaccctgat gatgggctcc acgtggtcct gaaggcggtg ccgcttcata   660
tgggcatttc gactcttgat cttgtcaaac acccttttcac actctctgca tggaaaaatg   720
ccctggctct ctgcacttcc caacagctcg ggggtccgct tggagcctgc atttgggctg   780
gagctgagga tggactccct cctataactc ttggtctttta acttgggagt tggatggtgg   840
ctgggtctct cccgagggct gcatgggacc ttttcctctg tcctttccac ttcctccggc   900
tctctcttga ccctcttttc tagccctggg gctcggccac agtcaaactt gatcattttt   960
ttccagatgt aataatactc aacgcactga gctaccgtct ttgtctggat ctagtgaaag   1020
aaaacaagca ggctgtggct gtgccacgcg ggccctggga gtgtgacctt gccattgggc   1080
cggccgcctc ctttggaaag ccctccggaa gcacctcttc ctttggcttg gcgttaccac   1140
tcaccacaaa ggcacaggac cagaattcca ccacntggat agtggactca caacncntnn   1200
nntaaggtct acgaanttnt cttnnngggc ccg   1233
```


<210> 3044
<211> 1191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1192)
<223> n = a,t,c or g

<220>

```
<400> 3044
cgccactgct agaaagcagg gtttgaactc cagctaccac ggtctgtcgc cggagttcct    60
gcgttgacct cagataatgt aaagcttgtg taagatgctg cgggaattcc agatcgtttc   120
agtgactatg gccccagaac actgacagag gtcccctccc caccatggca ggatctgagt   180
gcaacaggag gctcccaccc actcccaggg ccccacaggc acagccacag ccacttctga   240
ccctttattg gggcactgtc ggccccaaat aaatataata cattaaaccc agagctgagg   300
gaatcgtgca ccccaggagg cgcccccac aacctcagcc gggcaaaata agttagtggg    360
gggcctgcca gaggccgggc cagctccctg gtctaaagtg catctcggtt cccgtgggga   420
ttccgtggtc cccacgtctg cacagcccct ggttgggccg tcgggagggg cgggtgggag   480
atgcctggcg ctcacaccgt gccagcagtg gccgccgagg ctctgtgtgt ccatctgtcc   540
atgtggggga acagctgcgt ggccggggtc ctcaggaaaa gctgtcatcg ggccggggct   600
gggtgtcaaa gggagggtct gagactgtga tgccttggtg cagcttctcc agcgagaact   660
tcatctcatc caggagctcc acggaggccc gcaggatctg cctccacttg tgcacctcca   720
cgctgtggaa ttgcttctgc agcgccagga tctcggccca ctctgtggcc gtctggggga   780
acttgccctt ggccagggcc aggctgtgcc aggactcaaa ggtgtgggct gtcctttcca   840
gggaccagag gcggtagaag agcaggacgt tgagggcgat gaggatgata aggctgggga   900
caggggtcag aggtcaggat tcctggggtc tagatgctct gaacacccc aaacaactac    960
atcttgtagg gacacctcta tccccattg cagaggagga gaattaggct cagagaggat   1020
gagagacatg cctagggttg cacagtccat agcagggaag tcagtgttca aacccaggtc   1080
tgtctgatgc ccataccctt gactgccatg ccaggccacc tccctggggg agctggaggg   1140
catggggtgg ggagaagagg cgaatgccnc cncaatggct atcagtcgca t            1191
```

```
<210> 3045
<211> 1406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(870)
<223> similar to gi2887429 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 3045
ggaattcagc ggccccgggc acgcgcgcgc gccaccggcc cggcaggtgc tgtccttatt    60
cccagcccag tcaagagcta ccggggctgg ctagtcatgg gggagcccag tagagaggag   120
tataaaatcc agtcctttga tgcagagacc cagcagctgc tgaagacagc actcaaagcc   180
ccgtctcttg aatgcacagt tgcctgcttt gagacagaag atggagaata ttccgtttgc   240
cagaggagct atagtaattg ctctcgcctg atgccttccc gctgtaacac gcagtacaga   300
gatccgggtg ctgtggactt ggagaaagtg gccaatgtga ttgtggacca ttctctgcag   360
gactgtgtgt tcagcaagga agcaggacgc atgtgctacg ccatcattca ggcagagagt   420
aaacaagcag gccagagtgt cttccgacgt ggactcctca accggctgca gcaggagtac   480
```

```
caggctcggg agcagctgcg agcacgctcc ctgcagggct gggtctgcta tgtcaccttt        540
atctgcaaca tctttgacta cctgagggtg aacaacatgc ccatgatggc cctggtgaac        600
cctgtctatg actgcctctt ccggctggcc cagccagaca gtttgagcaa ggaggaggag        660
gtggactgtt tggtgctgca gctgcaccgg gttggggagc agctggagaa aatgaatggg        720
cagcgcatgg atgagctctt tgtgctgatc cgggatggct tcctgctccc aactggcctc        780
agctccctgg cccagctgct gctgctggag atcattgagt tccgggcggc cggctggaag        840
acaacgccag ctgcccacaa gtattactac agcgaagtct ccgactaggc ctccagatca        900
gggcttcctc accagcactg gcctttcttc tacccacctc taaagctggc agtggagtct        960
ctgcctcacc caaagacttt tcccttccag actttgagtg tcttcccttc tagactttcc       1020
catctcctgg tgagatgttt cccacttatg ccgtggtcct gccctgagcc cctttcccca       1080
ccacaaccca ccacggccag gcagagaagg gcaactccca agagccactg cactgtgtaa       1140
ccattagtgc aactactacc ttggtgcctc agtttaccca tctgtaaaat gggtaagcat       1200
agccactggt gggatatttt gggatgtcaa ggggtggagg cagagcacaa gtcacaccag       1260
aaactgcttt ttatacattt tgtataagga caactctgga aacaagccta tttcctccag       1320
ccagtttcac tgaatgctgc accacatgct acaccagttc agcgtgagaa ttttctaata       1380
aatctttct gatactaaaa aaaaaa                                              1406
```

<210> 3046
<211> 2408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1336)
<223> similar to gi4650844 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3046
```
cagtgcggag gaattcgaga gccagcaggc cagcgtgacc atgcacgatg tggacgccga         60
gtccttcgag gtgttggtcg actactgcta cacgggtcgt gtgtctctca gtgaggccaa        120
cgtggagcgc ctgtacgcgg cctccgacat gctacagctg gaatatgtgc gggaagcctg        180
tgcctccttc ttagcccgac gtcttgacct gaccaactgc accgccatcc tcaagtttgc        240
agatgccttt ggccatcgca agctgcgatc ccaggcccag tcctatatag ctcagaactt        300
caagcaactc agccacatgg gttcaattcg ggaggagact ctagcagatc tgaccctggc        360
ccagctgctg gctgtcctgc gcttggatag tctggacgtg gagagtgagc agacagtgtg        420
ccatgtggca gtgcagtggc tggaggctgc tcccaaagag cggggtccca gtgctgcaga        480
agtcttcaag tgcgtgcgct ggatgcactt cactgaagaa gatcaggact acttagaagg        540
gctgctgacc aagcccatcg tgaagaagta ctgcctggac gttattgaag gggccctgca        600
gatgcgctat ggtgacctgt tgtacaagtc tctggtgcca gtgccaaaca gcagcagcag        660
cagtagcagc agcaactctc ttgtatctgc agcagaaaat ccaccccaga gactgggtat        720
gtgtgccaag gagatggtga tcttctttgg acaccccaga gatccctttc tctgctatga        780
cccttactcg ggggacattt acacaatgcc atcccctttg accagctttg ctcacactaa        840
gactgtcacc tcctcagctg tctgtgtgtc cccagaccat gacatctatc tagctgctca        900
gcccaggaaa gacctctggg tgtataaacc agctcagaat agttggcagc aacttgcaga        960
tcgcttgctg tgtcgtgagg gcatggatgt ggcatatctc aatggctaca tctacatttt       1020
ggggggacga gaccctatta ctggagttaa gttgaaggaa gtggaatgct acagtgttca       1080
gagaaaccag tgggcattgg tggctcctgt ccctcattcc ttctattcct ttgaactcat       1140
agtggttcag aactatcttt atgctgtcaa cagtaagcgc atgctttgct atgatcctag       1200
ccacaatatg tggctgaact gtgcttctct taaacgtagt gactttcagg aagcatgtgt       1260
```

```
cttcaatgat gaaatctatt gtatctgtga catcccagtc atgaaggtct acaacccagc   1320
tagggagaa  tggaggcgga ttagtaatat tcctttggat tcagagaccc acaactacca   1380
gattgtcaat catgaccaaa agttgcttct catcacttct acaacccac  aatggaaaaa   1440
gaaccgagtg acagtgtatg agtatgatac tagggaagat cagtggatta atataggtac   1500
catgttaggc cttttgcagt ttgactctgg ctttatttgc ctttgtgctc gtgtttatcc   1560
ttcctgcctt gaacctggtc agagttttat tactgaggaa gatgatgcac ggagtgagtc   1620
tagtactgaa tgggacttag atggattcag tgagctggac tctgagtcag gaagttcaag   1680
ttctttttca gatgatgaag tctgggtgca agtagcacct cagcgaaatg cacaggatca   1740
gcagggttct ttgtaaatag tattttgaga cactaagatg tttctactgc tacggaatgt   1800
attttaaaca catatcgttt cttttttcttg gaaaaaaagt tgattaggac cacagatttg   1860
gtttagaaag ggtaatattt tgaaatacta caaggtttag acagtccatg aaatcgacct   1920
gtttaataat ttaccatcct gaaagtccag aattaaaata tggaagcaag aactatataa   1980
ttgattagga tgcttggtag gtttttttca ttgttcaaat attcattgca cagtggattg   2040
ttttgattag ttagtatgct tttttttttaa ttaattcagt ccttcctgtt aatttttaag   2100
ttttggttag tgcccacaag gaatttaacc ttttgatttg tataatagaa aactgaacct   2160
aggaattgtt agccggggtt ttgaaggatg tgtacctttc ccttcaaaat aaagtggtag   2220
attttcaaaa ttttacacta gtcagttctt tatattacta agttaaatgg tagtttggta   2280
aaattatttt gggtttttcct tcctacaaag gaaaaaattg gatttatata tataaggtta   2340
ctgcataatg atttcatttt gataatgtgc agaatggcct cataagctca cagaaagtaa   2400
aaaaaaaa                                                            2408
```

```
            <400> 3047
ggaattcctc gagccgccac gatgtcccct gcgctcctgt cccctcccgc gtagagcttg    60
cctttgttcc aggaatagcg ctccaggctc ctgctgccgc ccctgggcct cactctggag   120
cgggctgcct ccgccctctc gtgacagctc agccctccc  atgcacattt ggacgctgtc   180
ctgcgctcca gttgcacaaa gctgagctcc tgttacacac tgacagacca ctgacagccg   240
ccgctgccaa ccccctcct  cctcaccaga cttccagacg actacatcat gctgcccaca   300
gacctgcgct gccactgcca tcgccatcca tcgcattcca ccgacagact gctgcttcta   360
gtgatctgta ctcacctcgg aggtatctgg gctggacaca gcccctggac aatgatccag   420
acagctggct gcccctcaag ggacctgtta ccttcagcga gacccatttc ctccccaatc   480
ccagagactt tttgtgctcc tgccacatgg ctgccagggc tcagttgtgc ctggcagcca   540
aatcgagtct ctcattttct cttgtggacc agttagtttt gcccagaatc catttctctt   600
ctgaatttgc agcattttct caggtgcttt ttgatcaaca aaataacttg tatcttctgc   660
ttaactcctt tatactacct ggagaaaagt attttccata ttttcaataa atgtcagaca   720
ctattgagaa aga                                                      733
```

```
<210> 3048
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(579)
<223> similar to gi1620403 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 3048
ctcctgggac ctgcactgga ggtagtgtcc aacctgtgcc cccagcaagg caagccgggg      60
agggagacgg gagccgggtg gcccagggct cctgtgcttg gagtggggga ggttgggact     120
ctgcagaggg cctgaggggc aggaacggga agatcccctc ctcagtttat ccacctgagg     180
gcccccccgca gtgccctcct cagcctcact ttgttctgcc caggggattg gccgtggacc     240
atgaggtttg gaacagaaag cctgcccctg gtttcacgct cagcaagttc cttctcctgt     300
aggaacccct gatccacagc ttctgtgtct gtggggtggg ggtggcaatt gtggccccat     360
ctgcttccca ggacagttac ggctctaagg tgtggtcttg gctgtggtga tgcttgccaa     420
gacactgccc ggggtgtggc atcagccttc cctttgccca caggacgatg ccctgagtct     480
ctgttcatcc attgacctgt gcagatgcac aggacacctg ggtggggccg tggggacacc     540
aggatgagtg gccatgtgtg tgcctgcaga gggtggtgtc ctcatgaggt agaaggcctg     600
ggagccggct ggaagtaggc tgctgggccc cattgcaggg gggaccgcgc cgtgatgcgg     660
cttgcagggg ccccggggca gcggggctgg ctctgctgac gcccacatgg cctgggcccc     720
acgtgga                                                                727




      <210> 3049
      <211> 1148
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (182)...(751)
      <223> similar to gi156250 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 3049
agagtgtccc cctgtagacc tgttagagtg ctggaattcc tgcagtaaat gcacaacccg      60
gacggaagtg cctctccgac agcagatcca ggctcggagc tccagacgct gggacaggcc     120
gcccgcagac cacccccgcc gcgcgcggga cacgacgccc cccgcaggac acgcccatca     180
gcccggaaac ccctgagctg cttctcccgg aggccgatgc ccacccggga gcccccaaag     240
actcgcggct cccggggggca cctgcatact cacccgcctg ggcctgggcc cccgctgcag     300
ggactggcgc cccgaggcct caaaaccagc gcccccgcc ctccgtgcca gccccagccg     360
ggaccccaca aggcaaagac caagaagatt gtgtttgagg atgagttgct ctcccaggcc     420
ctcctgggcg ccaagaagcc tattggagcc atccctaagg ggcataagcc taggccccac     480
```

1850

```
ccagtgcccg actatgagct taagtacccg ccagtgagca gtgagaggga acggagccgc      540
tatgtcgcag tgttccagga ccagtacgga gagttcttgg agctccagca cgaggtgggg      600
tgttgcacag gcaaagctca gggcagctgg aggccctgct gagctccctg ccccacccc       660
aaagccagaa ggaggcccaa gttgcagccc gggtttggag ggagtttgag atgaagcgaa      720
tggatcctgg cttcctggac aagcaggctc gctgccacta cctgaagggt aaactgaggc      780
atctcaagac tcagatccag aaattcgatg accaaggaga cagcgagggc tccgtgtact      840
tctaagtgcc cctgcagatg ggcagaggga tgcatgggga tgcaggtccc ttgcatttct      900
tggtatctct cagcttttcc tcttgcagct cccctacca ggggtcgctt tctcctggat      960
tgcaaatgcc tcttcagttt ggactcagct ctgacagccc ctcctccagg aaggccttcc     1020
aggacttcct cctctgggtc ctctagctct gaccctacag ggactccaga tctcaacctg     1080
ttccctggaa gtagggcctg ctctccatcc cagtgaaata aacatgtatt agacacctaa     1140
aaaaaaaa                                                              1148
```

<210> 3050
<211> 1538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (322)...(1264)
<223> similar to gi4995751 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3050
```
aattgggatc cttagagcag cgtggcggaa ttcatccaca gtcacttctg ttcattttta       60
atgaaaacct attgctgtta ttttctatta tgagttaacg gtgatgtgtg tttttttaaat     120
tttgtatact tgctctcacc ctaaaatata ccttaagaga cttttcccct gtttttcttt      180
ctgctttcca agactccagg aaaaacagct tccatggcac attttgtaca gggcacatct      240
agaatgattg ccgcagaaag ttctacggag cataaagagt gtgctgaacc atcaacaaga      300
aagaacttga tgaattctct tgaacaaaag ataaggtgtt tggaaaaaca aagaaaagag      360
ctcctggaag ttaaccagca atgggatcag caatttagaa gtatgaaaga gttatatgaa      420
agaaaggtag cagagctgaa gacgaaactg gacgccgcgg aaagattcct cagcacgcgg      480
gagaaggatc cgcatcagag gcagagaaag gacgacaggc agagagagga cgacaggcag      540
cgcgacctga cccgggaccg gctgcagcgg gaggagaagg aaaaggaacg cctaaatgaa      600
gaattacatg aattgaaaga agagaataaa cttttaaagg gaaaaaatac tcttgcgaac      660
aaggaaaagg aacattacga atgtgaaata aaacgcctca ataaggctct tcaggatgcc      720
ttgaatatca agtgttcatt ttccgaggac tgtttgagga agtctcgagt ggaattctgc      780
catgaggaga tgagaacaga aatggaagtt ctgaagcagc aggtgcaaat atacgaagaa      840
gacttcaaaa aggaacgatc ggatcgagag agacttaatc aagagaaaga ggagctacag      900
caaattaatg aaacttccca atcccagttg aacaggctga attcccagat aaaagcttgt      960
cagatggaga agaaaaaact agaaaagcaa ttaaaacaga tgtattgccc accctgtaac     1020
tgcggcttgg ttttccacct gcaagatcca tgggtaccaa caggccctgg agctgtgcag     1080
aagcaacggg agcacccacc agactatcag tggtatgctc ttgaccagct tccgccagat     1140
gtacaacaca aggcaaatga tggtgtcttg ctccacctcc agtctgttgc caggctggtc     1200
tcgaactcct ggcctcaagt gatcctcctg cctctggctc ccaaagtgct gaaatttcag     1260
gtttatcctc agtaaagaaa gtccatccgt agaagtacac actaacagag agagacaaca     1320
ggcaacgagg gagcgtggct gaggaccctc ttctttgttt atactgaggc ttgtttctgc     1380
cacaaaggca catcatctac cctgttattt gtgcctggtc atgttttcct ttggtatgaa     1440
tacaggaaaa ggcttctgac agctaagatc ctgatcaaat tggaggagcc agttattata     1500
```

<210> 3051
<211> 2780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(896)
<223> similar to gi666095 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3051

```
gcggggaatt agctgggcga cgtggaggag gacaggtggt ggccgtgttc gtggtcacct      60
tcgaccccg ctcgggaaac atggtagaat ggtgcttacc tcaagatatt gaccttgaag     120
gtgttgagtt caagtctatg gccagtgggt cccataaaat ccaatctgat ttcatctatt     180
tccgaaaggg gcccttcttc ggcctggcct gctttgccaa catgcccgtg gagagcgagc     240
tggaacgtgg cgcgcggatg aagtctgtgg gcatcctctc tccctcctac acactgcttt     300
accgctacat gcacttcttg gagaaccagg ttcggcacca gttggagatg ccaggacatt     360
actctcatct ggctgccttc tatgaggaca aaaagggggt gctccatgct ggtcccggca     420
gaggcagcag cctgcccct gtctactggc tgccttccat ccaccgatac atgtaccctg     480
agatgaagat cacacaccca gctggctgca tgtctcagtt tataaagttc tttggagaac     540
agatcctcat cctctggaaa tttgccttac ttcgaaagcg cattttgata ttttctcccc     600
cacctgtggg cgtggtgtgc tatagagtgt actgctgctg ctgcttggcc aacgtttcac     660
tgcctggcat cgggggcacc attcctgagt ccaaaccttt cttctacgtg aacgtggctg     720
acatcgagag cctggaggta gaggtgtcct atgtggcctg caccacagag aagatattcg     780
aggagaagcg ggagctgtat gacgtctacg tggataacca gaatgtgaag acacaccacg     840
accacctgca gccgctgctg aagatcaaca gtgctgacag ggagaagtac cgccggctca     900
acgagcagag gcagatgctg ttgtactccc aggaagtaga agaagactac aacccttgtg     960
aagaggacct cttcgtgctg tgagtcctgg ggccgtggat gtggagtctc cctgaggatc    1020
ccttcggcac tgagtgacct gcatccctcc catgtcattc actgcgggcc agggatgccg    1080
tttattgctg ccaagggcac ttagagccgg gctccttaca gaggcaaacc tgagccctga    1140
aatgccatta gggggaaccc agaagactta gggaaagaag caggtccctt aagagaaaac    1200
aggagtctta gtgtttcttt ccttgttggg cttttacatc gaggatgtcc actgcctgga    1260
agctctgtct gtccctcagg actcagggac ttctcatttc cattgcctcc tttgaataga    1320
gtagttcctt gcgctgaata ttatgggata atctgaaatt ttaattcttg aatcaaatga    1380
aatctctttg ccccgtaggt gcagaagcca gggcctttcc acctcacagt actgatttca    1440
ttcctagaca gctgggtgaa gtagccttct gtggcatcaa ctgaattctc ccagcttcct    1500
gtttggtctt ccagggGTGA ggttgtggtt tgatgctgaa aacttaatgt gggcatttct    1560
acaaaggtgt agcaccttga ttctaatagt ggacttccta aaacctacat cctgtttagg    1620
tggaaagtat ctgagacttg agcacagcca tagtctcatc caggtatgac atgtgccact    1680
gtgtctgaaa ttcctgagca ccgagggccg cttcaggcac caggcacttt gccaacctga    1740
gagctgtatg gggctggact gtctagtcta actaggcagt gaaccctgtc ctgaacagag    1800
cttgtttgtt cataaagcac tctaaagcag tgacttttaa atcttgatct gtgcataatc    1860
tcactcctcc ccaaagagtc atccaaggga gagcaaaaca cccaagggta acggttggct    1920
cacggttcca ttttgttgtt ggttgttgaa tttttgcttt cctcctatga cttaagcaga    1980
aagagggaaa agcagtgttt ggggggcctc ttctcaggct gtgtttaaaa cccaggtcac    2040
tttccctcaa caggaaaatg gattttgaca ggccatcttg cttagagatt tccctaatca    2100
caccataatt aatgccaaat ggtttctttg ctaaccttag tagcacttga ataattaact    2160
```

```
tttactcttt tcttttttta aaagatacct gcgaatccac tgaaaagtac attaaacaaa    2220
acagtatagt tttggttccc catatgtgga ttatctggtg agcttttttat tcccccccgc    2280
ttcctttcct gtgtcttgtc ttccaaatgc aggttttttcc tagaacaaaa caaccggata    2340
tttcagactt tgttggaggt gtctgccagt caagacaaaa ctctgacagc agagcatgcc    2400
cggggcatgg gcctagaccc ccaaggagac cggagctttc tcctggacct gctggaggcc    2460
tatggcattg atgtcatgct ggttatcgac aacccctgtt gcccgtagga ggagccaaca    2520
ggactgggag ccgcttcacg tgggatgtca gcagcccgga gttcacccca gggccccaga    2580
gggcctcatt ttttattaag ttgacacaaa ggaatattgt ttatactttc caacaaacat    2640
aatttttgca atttccttct tgcccttttc cctagagata aggtgagatc accttggttt    2700
tgtgtcctgc catgttagga tattggaatc tgccactttc tcccagagct gctggtcctc    2760
tgggcttggt catgggagtt                                                 2780
```

<210> 3052
<211> 1606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1565)...(83)
<223> similar to gi19867 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3052

```
tttttttttt ttcgaatgcg cagtgatgct ttaatccccc tgtttgcaaa cgagctctgt      60
ggaagctcag caggaaggat ggaaagatgg ggaggaagac cctggcgggt ggaagtgtgg     120
ccagggacac aaggctgccc ttatgggact gaaagagaaa gctgctgggc tctgtgtgac     180
tggaaaccag ggaaggagac ctggctgagg caggaactgg gtttgccagc agtgcggagg     240
ggcagcgggt ggctcagaag tgggagcagg tacacagaag gagctcaggg catgcctggg     300
gcatctccaa agctctgctg agagtgaagg ccaggagcct gttttccttc cccagaagtg     360
tgctcatggg aaatggggca gggggcaggc tggcttgggg atggaaagta agcttacact     420
ttgatattaa actcattctt tgacttgctg tcaggcaaga agcccattct gtgagcttca     480
gcatataagc attgggaggg tgtgagctgg ggctcccaga caccccaga gcagagggag      540
cagggcctgt cagcctcctc tgctgctcct ggacagagac ccacggggtc ccatgggctc     600
caaacctgcc cagcaagttt aagggccgtg ggcaggcctt gtagccgggc aatgggatgt     660
gagcagaaac gagaatgtgg cctagcagtg ggtgcaggac aaggagaggt gaaccccacc     720
ccgagagcat tccgggaggt gtcatcaagt ctcttaggca gtctggtgat atttggtgtt     780
ctgagctaag gagggaatgg acttgtctgt cacgcagggg ccaagagaag caggtgcagg     840
tcttagagct gagccttggg gaggggaccc tagtgagaca gcgcctccgt ggagtagaag     900
aaggggcagg atggaaatca aggtgggaat tttggggccg cttctccatg tgtgctttgc     960
tggacagcac attgtcccat tagccactac caaacccgcc tctggcttct gagcttggca    1020
gcacaggaaa acgcggaggt tggagcaccc ccaggagttc ctggagtggc tgtcacaggc    1080
ctgggtcccc ttcaccccaa ggccgccgtg ggccactcca ttcctcagca cgttcctggc    1140
agtgactccg tgacgctgtc ttcctgactc ggggcccagg aacgagctgg acgtaaggcc    1200
actgggctgt gcttgtgctg gggctcccag aggcatccgg gggccccgtg tgtcccccag    1260
gaaagccggc tggtctccaa gtgaggcgaa gacccgtgcc cagcagacaa ggccggtctc    1320
ggggctggca gagagctgcc cccagggtgt gtgtcaggag gtgacggctg gagcctcgtg    1380
ggcgggtgaa gtgtgtctgc tgggtcagca ctgcccagat ctgccatcgt gttcggaccc    1440
catccctgca ggagctgggg caggtggaga tggtctagtc ctcctggggc ctctccacag    1500
tgagaaacgt gtccaggact gtggcctgcc gctcggggtc gcctaggggc tgcttctcgt    1560
```

```
<210> 3053
<211> 1338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1339)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1338)...(351)
<223> similar to gi2894086 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 3053
tgccatacat tcatgcatgg tcagctctga gcccctcagg aatagaaggg ccttccattt     60
aaaacagctt acacctggag acaacaaaca ccaagaaaca tgcaaacact acagagaatc    120
tgtatgtgaa gaagtcatat tttatattga tgagggtgct gttagaaaat gttgatggat    180
ggcttcggtc actcatgcta gtctaaccag aggggcctgt gacggtgtct gcttctcttt    240
caggattccc agttgtttct gtgtcaggca ctaagcaatc tggcggcttt tggtccaaat    300
gggtatttta gttgtctttt tgcacctttt aatccctctt cgaagagtca agttcaaatg    360
ctggaaaccg tgatgtctct ggtcccagga catcagagag aaagtgaata gcgccagcca    420
tgccttcaaa gagcgaatag ggtctgtcag gaatgcggca cccgtgtgct ccgtaatcta    480
gacaccactc tgcaaacttg caagctcggt agaggtactt cttatcctgc gtgagacggt    540
aaagggacag gaaggaatag ccgttgccag cagtcccatg gcatatcccg tagcccttcc    600
gcagcaaacc tcgctgccaa atcacatcgc tacactccat ggcctctttc aagtacttct    660
cctccttaaa gaccttgtac gcctgcatga gcatgtggat gacccccggg gcgccgtggc    720
accagtgcac cagccggtct gtttcattgc ttaatgatga tgggtaattc ccagatcgga    780
attttttgtg gcgcacataa tcaatactgg gtttcaccat ttctgtcaag gtttcttggt    840
ccacttttgc tgccggctgc attaacatat agtaaattcc agccatgcca tgggctgctc    900
caacgtactg cttccggtgc cactggtaca acagcgggca gcgctccgtt tttctttctt    960
cccttgacaa agtcttaccc gattcaataa tagcattgac tacctcttta atagctgact   1020
cacacacggt gcctggacct atctctgtgt tcaggtacag taaggcatac agataacctg   1080
cccgtccata aagcagctca tcaggaaggt ctgattcttg gcaaacaacc gatctctgga   1140
gctgcaaaag ttttgtgga cacattcctg gggggactca cagtgcactt tttgagtttt   1200
gtggataaaa tcacaggttc caacaggcca ggggggggccc agcattcccc acagaggaag   1260
gttgancccg cgggccnttc agatttccna agtgttttnt tttttacgta attcnggggn   1320
ttcggagcag gntaggtt                                                 1338
```

```
<210> 3054
<211> 1673
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(498)
<223> similar to gi5114351 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3054
gcggccgcgg cgcccgcgcg cgacggcccg gccagcgagg ccgcgctgca gctgctgtgc   60
cgcgccgacg ccggcccgct ctgcgccgcc tgccgtatgg ctgcgggccc cgagccgccc   120
gagtgggaac cgcgctggag gaaggcgctg cgcggcaagg agaacaaggg gtctgtggaa   180
atcatgagaa aggacttgaa tgacgcccgg gacctgcatg gccaggcaga gtcagcagct   240
gcagtgtgga agggacacgt gatggaccgt aggaagaagg cactgaccga ctacaagaag   300
ctgcgggcct tctttgtgga ggaggaggag catttcctgc aggaggctga gaaggaggag   360
gggctccctg aggacgagct ggctgacccc actgagcggt tcaggtcact gctgcaggcg   420
gtctcggagc tggagaagaa gcatcgcaac ctgggcctca gcatgctgct gcagtgatgg   480
cgccaacccg tggcagtccc agagctggag gcaggaggat ggatcctcat ctccatggga   540
agtgtcagcg tgtggctgcc agggaagcgt ggcaggcgcc tggccttggg tccatctaca   600
tagttgcgtg tttcaacaat gtccatttat ccttcacccc gaggcgtgtt ttggggggctg   660
caaacacctc ccggtagagg ctggacctga ggacccttcc cacctgtgcc cgtcccttcc   720
tgaagtccta gccacagccc atcctccatg agtcccggca gctctgggtc atgcccttcc   780
ctggtcaccc atctgcccct cacccgtcat ccagggaccc agaccctgca ccttccatgt   840
gggcccacag atccttggca ggtacctgag gtgcaccatt gagtgtcgga tttggggtta   900
gcatccagaa agaagaatgc gcatgacgct ctgtgaaggc tggaactcag gtcttcaggg   960
agagaaagga agactggatt gcaccttgat gcctcctgag gaggcggccc ccctcttgag   1020
gtgggcgtgg gcccggccca gccttatcca agtcgctctg tccacctccc ccttcctggc   1080
ccccaccca ctcctgtgcc tcccaggagc cctccctgtg ctccacctgc ctccgcagaa   1140
ggaagcctct ttctctgttt ccctgggtga gggggctggc aggtggctaa ccccatttag   1200
catctccagg ccctgccatc gtgtctcatc ttgctgttat ctctagctct ttccctcctc   1260
ccatttcctt tagtagttga attttgcaaa gcttgtagca gtagctcagt tgcctgcagc   1320
atccttgtgt gtagataaat tagtcgacag aaactcagca ctggggacag gattgcaaag   1380
tcggggacat agatgcagac agttgttgag atttggggat agccgggctt gtgagcggtg   1440
cccatttcca gatgaagcct ttcagccctt ctgagtcccc ggcccttggt gcgatgtctg   1500
tgagtttgac ctgcccagcg tgtgggctgg ctcaatgctg aataaagtgg gtttgtgtca   1560
gctcgtttgc ttcgtctccg tgtgtccacc tggcctcttc cccctgccct ggccaccctc   1620
cagtgtcaaa ggaaacttcc tcgtgacacg tgctaaagca tggtgaggag gac   1673

<210> 3055
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1010)
<223> n = a,t,c or g

<220>
<221> misc_feature

<400> 3055
```
ttttttgctg atataaaaaa tagtggcacg gcactttta ttctctttaa tcagaaaaat        60
aagccctgcg cttctgggat ggaggcccca ggtgagcacc ggaggaaggg gcccgggtgg       120
gtggggagcg aggggcccg gaggccaaag cagatgctgc accagaggct ggtcagaacc        180
cgggagggcc tgcgggggtg gggtcctcat gagcaagtgc ggggtgctgg aggtcaacaa       240
ctgcctggcc tgggagccag ggacacccat ccccttcctg acacctgagg cggcccagct       300
gggcaagacc aggcctgcag gaccagagcc tcctgtcacg tggcgcaggg gtccaggtgg       360
tcaacgctgc tctctggagg accactggtt agagcctgcc cagctcccct gaggtctgga       420
gacagtcaaa gccccccaa acacccctc ccttttgggc gagtggcgtg ccttggactc         480
cagaagactc gagtggggct gccttgagac caggtcctga ggggtggca acacctgacc        540
acaggtgggg gccgtggaag gggcagggat gggcccaggg gtagccttgt agtgtgaggt       600
gtgcccgacc acatgtaggt caacagccag acgggacgct gcaggggact gtggggaagc       660
cgggagaagg cgctgcccac cctgtggggt ccccctcgcc tggagaccct gcaggcaacc       720
cttcagtgca tgcccacggg ggtggtggag gcagagtcct gagaggtggg ggtgggagcc       780
tccgggtccc ctgcaggtcc tgacccacca gatgggccca tgtgccccct gtagcttggg       840
ggccctggag gtggacacca gcacctcctg actaccaggg ggagggcctg gactgaaacc       900
cacaccttca ccattccgcc actgggccaa tctngcagga actgaggcac cccacagatc       960
cttcatgccc aanacgccac tcactctcac acctcttgca cacatgcaa              1009
```


<210> 3056
<211> 2535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2464)...(459)

<400> 3056
```
tttttttttt ttcacacttg gccagtttat taaaggcagg gagcttcggc agggtccaaa        60
agggagaagt tgggagatgc cccctcctca gctccctcct tccccaacaa ctcttctaca       120
gcccagcccc cagggcccag aggcagggct ggcgtcaggc agactgtact gcataaatac       180
gtggaggcca cagcccgaat cagcagcgtc aggggcagg gaaactgggt ttgggatgag        240
aagtgggtgg ctctgggggc acgtcccca gtgcttgtcc agagcccagg gacccacaga        300
gccagagagg ggaccagtgg gccagcttgg ggtctggcta cggccagccc tgcccagcga       360
ggctggcagg tggctctggt tttgggggag aagtggggtg gggtgtggcc atgccacggc       420
ccacggggac agggtggggt caggtgctgt tgccctgctc ctgttcaaag agtagcatgg       480
ccagctgggt tcgggagccg aggccctcaa gcacgctctg gaggcagcgg tggtacaggt       540
cctcactgag cctcgcgctg cacgtctggg cccggtagcg ctgcagcagc gccggctcca       600
ccgcccgcag cacatgcaga ctggagaagt ggaggaacag ctcgtacaca tccaggctct       660
ccagcagctc ctcttcttgt tctgaggctg ccgccaggcg cccacgggct gccacgtagt       720
```

```
cggagttgta gaagcaggcc tcgctggctg cctggcgatc aaagcggcca gtgtcacggc    780
ccagctctgg gggcccaggc ccttgtggtg gggccacagc tgggtggaag gcttggaaat    840
gcatgggaaa gaaggcctgc cagccggaga tggcatgcat gcggcagcgg ttcaggaagt    900
caggcgtgag caccgtgtct ggcccggcca gcaggaacag tgtgtccagc gggtgcttct    960
tggagagtag atccatgagg cgcagtggtg agggtgcggc tgtctgcaca ctgagccatg   1020
gcacccgggc accgggggaaa cgccgctccc agctctgcca catgggcctt gacaggtgcg   1080
aagacatctg ccatgggcca cgcgctgggc cctggcgcgg ctccatacaa ttagcaagcc   1140
agggtcaagg ctgccgcagc atcaccaggc tccagtgctg cagtggcaaa ggcctccaag   1200
aagccagggg cccaggtcac gttcagccgc agctagaggc agcagcacag tgagacgtga   1260
ggcctcagtg acatagggca caggcaagat ctccacgcgg ctcagcggcc ggagcagctg   1320
cactcggcga gtgaggggcc ggcggcctcc ctggggggtc agtgcctcca gctgcaagtc   1380
cagcgtgtat tccatacccc gggccggatc aaagcgtcgg tagccattca ccagctgctg   1440
cttctggagc cgcaaggccg ggtggtagcg gcggttcagc tcctctagag ctgtccccag   1500
aacatcggcc acatcagccc ggtcagcccc acgcagtggg cagcggggtg agccatcggc   1560
gcaggagaaa gcatgctgct ccgtgaagta gtcccagcgc agcacctcaa agcgggaggc   1620
cgggcgggat ggtgctggaa tacccacggg ccaagcagct gcccggtccc catcaacggc   1680
cagatggctg gtattctgga tctcccactg taactcctgg atctcctggt acgtgcgttc   1740
cagttcagct cgggcgaaag ctttgtgcag ctggtacatg tgcacagggt cacgcacagg   1800
gtgggctgtc agggcacttc ggaaatgagg gtccccctcc tgcactggct ccccagggct   1860
cagctccaga tggctatagt gcacccctc gtggtcacca gtgcagccca ccccggtggc   1920
atcgagaatg cagcgaccca gccactcgtc agggcgcgca ctgacgatgt cgttgcggca   1980
gccttccagg tgggggcgca gttgttgcag cagcatgcgc gacagcagca ccccaaagcc   2040
tccgtggcag tagcggccgg gggtgggctc tccgccgatg aagtcctggg gccggcccag   2100
gtacaggtgg gcggcggagg ccaggctgag gtggcaagtt aggcgtgcca ggccgtgcgc   2160
ctcggtgtag gtggtgtcag gcaccaggaa gaaccagtca aagtcgtcgc cgtgctgctc   2220
cagcaggtgg cgcagcgcca ggtgcaggtg tccaatgggt cgctcctcgc ccagcgtcac   2280
cactgccatg ccaggtgggg cccggcggcc ccgtgcgccc gtcaggaaca ccacacgctc   2340
cagccggtgc cccagcgtgc ggttcacggc cacgcccagc gtgggcagcg tggtctgaga   2400
ggtcagcccc gccaccagca gcctctgcct gatgcccagc tccgtgctga tgtagcgggt   2460
cctaggggag gagatggcac aagcttatca aaaagacgaa ttccaccgca cggtctaagg   2520
tctactattg tcaac                                                     2535
```

<210> 3057
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(424)
<223> similar to gi5262560 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3057
```
agggaagtct tatgaatgta aggaatgtgg gaaggtattc atttttttcc gttcctttcg     60
taaatatgaa agggcacaca ctggcgaaaa gccctgtgaa taaacaatgt gggaaaggat    120
ttttcatatc ttctgtggag ctttgaatgc atgaaaagac agactacaga gaaatgctaa    180
atgtaaggcg tgtataaaag catttagtaa tttctcttcc ttgcttatac atggaaggat    240
gcacactgga gagaagccat atgaatgtaa gaattgtggg aaagccttca catctgccaa    300
gagccttcaa aatcatggaa ggacacacac cggagagaaa ccatgtgaat gcaagcaatg    360
```

```
tggcaaagct ttcatttgtt ccagttcctg tcagagacat gaagagacac attctgttaa   420
tatgcattca gttatcctaa ttcctttgaa acacagaaaa agagtaggga aaggacctct   480
gagataactg ttttctgagt tgagaagagc tacttgtgaa tggacaatta aatctagatg   540
tatttagatc tgatacaatt catctgtat                                     569
```

```
<210> 3058
<211> 1315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1312)...(388)
<223> similar to gi4929607 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
      <400> 3058
tttttttttt ttgaagttca tcatctttag acttaaggaa ttaacaaggg tcagggagac     60
tacaccaggc tgagggcttc ttggttcctg gagacatgcc cagctacagc aaacacaggg    120
aaacacgaag ggggcagctg gaagatttgg tcttgaactt gggggtgggg taagtgatga    180
tccccacgac tggagcagca ggaagaagtt gtgtctgagg aagtgctggg ccgcccagag    240
ggacagccct gccctggagc ttgtcgccgg gagggaaggg aaacaagccc cctccctcag    300
tgctgaggaa aaggcacttg gctgggtctc ctcctgccct ctccccatcc gtgggagaga    360
cggggtcctt gcctccttgc ccctttcagc cgcccagaag ccggtcctgg ttcagcctct    420
ggaagaagct tttgccgaac tcataggtgc tgatcatgat ggcacaggag ggggcagcct    480
tgatgatccg aggaaggaag cctgcaaaga gtcccttggt gcccgactcg gcccggatcc    540
tccgcagcag cagccaggtg gagtccacat gcaggggggtt cactctcaca gcctccatcg    600
ctcccagagc gacctggcgt tgggtctttta ccacgtcaaa gggtagagtc agcactgcag    660
ccaccgtccc tgagatgcca ccagccacaa agctcatgcc cacagaagtc tggtccttcg    720
gcctgaaccc attgagccag ctcttcacca gctcatagtt gaaccagtac agggcttggg    780
gtgggggatg cactgagaag ggcacatctc gaagggcagt ggggccccag cccagccaca    840
gtgagcgcca gccaccctga gccactgcag ttcgaacaca ggcacccagc tcccggtacg    900
acacatgctg agcctgcagc tttgtccgca taagctccag ggggctgatc acagtcacgg    960
tgcccactgt gtggggattg ggggtgacaa tggggagaag tgagatcaca ggtcttacat   1020
ggcatcacct acctgctgtc ccaggtctgg ggacctagaa cacccccta tccctaggct   1080
ggcagaggtt ggggctggga gctgggactg actgggtttg ggcagaggtg gggacagagg   1140
gaggtcaaag gcccaagact atgctcacgg cgggccagcg cgccagccac catgggtgcg   1200
tagaggtcag aggtcagggc tcgaccacac aggaaggcct tcagttggtc ataggcagtg   1260
aagtagatgg cggtagctgg cacagtcatc accagggtgg cggggagctc gtgcc         1315
```

```
<210> 3059
<211> 1441
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> (1)...(1442)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1113)...(11)
<223> similar to gi5262557 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3059
tttttttttt ttaatttcac tccttcatga ctgtcacatg gacaaaatga aactaaactt   60
aaatcataac taaaaaaacc accaactata tttttgaaga tttttctaat tcttgccact   120
caaaggacaa cattttccac accggtttgt atgttatcct tttggtcatt gtcttctgaa   180
ccaatgaaat gttgattctc caagggattt gagttttcgt ggcacacgtc acctattttc   240
tcctgctgac ttgggctttt gaataagtgt ttcttttggt gcattccaag ggcagcagct   300
gttttgcaaa ttttgggggca ctggaagcag gcatagccct tcccattatg ctcccgaata   360
tgcctctgct cgtgattcct tttggtggag agatacaaaa atctctgaaa gcagaactga   420
cagtggtaac gcttttctcc agtatggatt ctttcatgga ttttgagggt ctcattcaag   480
gtgaatgcct tgttgcaata ctgacagacg aactccttca agcccaggtg gatgcgttca   540
tgtttctgta agtttccttg caccgaaaag caccgtccgc aggtcttgca ctggtatggc   600
ttctccccgg tgtgacatct catgtgcatt ttgagtgtgg aagggctctg gaactgcttg   660
gcgcagagct cgcaggcata tggccgagaa gtaagatgtc ggtggggcct tccttggttt   720
ccagccccca ctgctttgtc tccatcacag agttcacact gcagcttggg catctcttta   780
gtttcttctt cctcaaaggg tttatcctga ggagccttcc ccacggcgca atccagttct   840
gctgggtatt tacatttatg gctcgggctc ctgtttccgt gctccttcct ccagttgact   900
ttcctcattt tttttcaactg tctggatttc tttttgggtt tgtagttgta gtaagggcgc   960
cacggtttgt cagtggaatc ctggtcactt gcgtcatcga acacttcact catctccatg   1020
cactcggatt ggcaaagacc gagtgggctg tctccactgg gttatgggtc attcccctgt   1080
ggcaaaggct cctcctgcat ctgatacttg ggtcttctcc ctctttata aaacaattta   1140
gatcatagaa tgtgcctttt cacaatggct tcgtttccaa ttttcactgt tatttggcaa   1200
aggggtgcaa cattactatt tgtggaggtt cccggcagag caggttttgc aatgtaggtt   1260
tcaattttgc tggtttcttc agcaatattt gtggttttgc tcagtgatcc tccaggatca   1320
gcaacatagt ttgactcaac cggtatttct cccctggtat gtgatgtagt tttctttttc   1380
tccttagtgc ttttgggtct gaacttccnc gcnnattgct aatgaactcg aangagcccc   1440
a   1441

<210> 3060
<211> 1951
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(1907)
<223> similar to gi186774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3060
```
ccacccctcc accaccaccc cctgccccac ctgcccagct gccctgccca cagtgctcca      60
agtcctttgc ctcagcttcc cggctgtccc ggcaccggcg tgcagtacac gggccccctg     120
aacggcgtca ccgctgtggg gtttgtggca agggcttcaa gaagctgatc cacgtgcgca     180
accacctgcg gacacacacg ggtgagaggc ccttccagtg ccactcatgt ggcaagacct     240
ttgcttcttt ggccaacctc agccgccacc agctgaccca tacgggtgca cgtccctacc     300
aatgcctgga ctgtggcaag cgcttcacac agagctccaa cctgcagcag caccggcggt     360
tgcacttgcg gccagtcgcc tttgcccgcg ccccccgcct ccccatcact ggtctctaca     420
acaagagtcc ctactactgc gggacttgtg gccgctggtt ccgcgccatg gcgggcttgc     480
gactgcatca gcgggtccat gcccgagctc ggactttgac gctacagcct cccagatcac     540
catctcctgc cccaccccca cctccagagc ctcaacagac tatcatgtgc acagagctgg     600
gggagaccat cgccatcatt gagacatccc agccactggc gcttgaggac accctgcagc     660
tgtgccaggc tgcactgggg gccagtgaag caggcgggct cttgcagttg gacacggcct     720
tcgtgtgacg cagctgaaaa gcaacaacaa aagggtttgg ttgcaacagc cagtgtgggt     780
acctctgggg agagaggacc tcctctgaca aactggtctg gtacccacca tgtgccagga     840
tccaccctgg cctcttttta cccactgact ccccagaaca acccttccag gcttctcttg     900
tcatctttct ctgcctgagg ggaaactgaa gctctgaaat gcgatgtgat ctgtaccagg     960
tcacccagct atgctgcaaa gtgggttggc caaggccctt tgcactgcat caccctggtg    1020
cccagcaaca tcaggtaacc ttcactgagc accaagctta tgccaggtct gtgctggcca    1080
ctctcatata cctcttcaga tcctctgctt gtaccccccag cccttgcctt ccctggattt    1140
tgggcaccca ggactttgct ctgcctggtg gagggtactt gatttctctg ggcttccttc    1200
atctcaattc tgacagtgtg gaaggaaatc tgtaggtacc caggtcctca gctccagact    1260
gggtgatgct ggagacccag gagcaagtca gcacaggctc tgcccacagg aggcatgcac    1320
aatctggtag gagaaacgca caagtacaga tagcttgctc tctgagtgtg tctcattgat    1380
tcattcagcc tgtgtgtcct aaagcctccc ttctcccata ctgggtgatg ctggggggcag    1440
agatgagtca ggcctaaagc ttctctgggc tgtgatgggg atgtgcaggg acagtgggat    1500
cccaggaaac agacctccat ggtgggagat cacgagttaa ggacttccta gagaaggtag    1560
tccctgaagg aaaagtagga atctggcagt gaaagaggaa aagaacattc caggcagaca    1620
gcactgcaag agggtgagct cttggtgtat ttggagacca tccagttatt catctgactg    1680
cctacctgag gcaagcacca cacttaccac tgtatgtgta ctatgatccc aacaggcttg    1740
tgacatagat ttcatattat ccctgttgta tagattttta aaactggtgg ctgggcgtgg    1800
tggctcacgc ctgtaatccc agcactttgg gaggccgagg cgggcagatc acgaggtcag    1860
gagatcgaga ccatcctggc taacacggtg aaaccccgtc tctactaaaa atacaaaaaa    1920
ttagccagga gtggtggcgg gcgcctgtgg t                                   1951
```

<210> 3061
<211> 2725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(2521)
<223> similar to gi433338 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3061
```
ggaattcgct atatgccgct atcctctggg catgtcagga ggccagattc cagatgagga      60
catcacagct tccagtcagt ggtcagagtc cacagctgcc aaatatggaa ggctggactc     120
```

```
agaagaaggg gatggagcct ggtgccctga gattccagtg gaacctgatg acctgaagga      180
gtttctgcag attgacttgc acaccctcca ttttatcact ctggtgggga cccaggggcg      240
ccatgcagga ggtcatggca tcgagtttgc ccccatgtac aagatcaatt acagtcggga      300
tggcactcgc tggatctctt ggcggaaccg tcatgggaaa caggtgctgg atggaaatag      360
taacccctat gacattttcc taaaggactt ggagccgccc attgtagcca gatttgtccg      420
gttcattcca gtcaccgacc actccatgaa tgtgtgtatg agagtggagc tttacggctg      480
tgtctggcta gatggcttgg tgtcttacaa tgctccagct gggcagcagt ttgtactccc      540
tggaggttcc atcatttatc tgaatgattc tgtctatgat ggagctgttg gatacagcat      600
gacagaaggg ctaggccaat tgaccgatgg tgtgtctggc ctggacgatt tcacccagac      660
ccatgaatac cacgtgtggc ccggctatga ctatgtgggc tggcggaacg agagtgccac      720
caatggctac attgagatca tgtttgaatt tgaccgcatc aggaatttca ctaccatgaa      780
ggtccactgc aacaacatgt ttgctaaagg tgtgaagatc tttaaggagg tacagtgcta      840
cttccgctct gaagccagtg agtgggaacc taatgccatt tccttccccc ttgtcctgga      900
tgacgtcaac cccagtgctc ggtttgtcac ggtgcctctc caccaccgaa tggccagtgc      960
catcaagtgt caataccatt ttgcagatac ctggatgatg ttcagtgaga tcaccttcca     1020
atcagatgct gcaatgtaca acaactctga agccctgccc acctctccta tggcacccac     1080
aacctatgat ccaatgctta agttgatgga cagcaacact cggatcctga ttggctgctt     1140
ggtggccatc atctttatcc tcctggccat cattgtcatc atcctctgga ggcagttctg     1200
gcagaaaatg ctggagaagg cttctcggag gatgctggat gatgaaatga cagtcagcct     1260
ttccctgcca agtgattcta gcatgttcaa caataaccgc tcctcatcac ctagtgaaca     1320
agggtccaac tcgacttacg atcgcatctt tcccccttcgc cctgactacc aggagccatc     1380
caggctgata cgaaaactcc cagaatttgc tccaggggag gaggagtcag gctgcagcgg     1440
tgttgtgaag ccagtccagc ccagtggccc tgaggggggtg ccccactatg cagaggctga     1500
catagtgaac ctccaaggag tgacaggagg caacacatac tcagtgcctg ccgtcaccat     1560
ggacctgctc tcagggaaaa gatgtggctg tgggagggag tttccccag ggaaactcct     1620
aactttcaaa gagaagctgg gagaaggaca gtttggggag gttcatctct gtgaagtgga     1680
gggaatggaa aaattcaaag acaaagattt tgccctagat gtcagtgcca accagcctgt     1740
cctggtggct gtgaaaatgc tccgagcaga tgccaacaag aatgccagga atgattttct     1800
taaggagata aagatcatgt ctcggctcaa ggacccaaac atcatccatc tattatctgt     1860
gtgtatcact gatgaccctc tctgtatgat cactgaatac atggagaatg gagatctcaa     1920
tcagtttctt tcccgccacg agccccctaa ttcttcctcc agcgatgtac gcactgtcag     1980
ttacaccaat ctgaagttta tggctaccca aattgcctct ggcatgaagt accttccctc     2040
tcttaatttt gttcaccgag atctggccac acgaaactgt ttagtgggta agaactacac     2100
aatcaagata gctgactttg gaatgagcag gaacctgtac agtggtgact attaccggat     2160
ccagggccgg gcagtgctcc ctatccgctg gatgtcttgg gagagtatct tgctgggcaa     2220
gttcactaca gcaagtgatg tgtgggcctt tggggggttac tttgtgggaa aactttcacc     2280
ttttgtcaaa gaaaaggccc ctattcccca gctgtccaga tgaaacaggt tattgaagaa     2340
atactggaga gttcttcccg agacccaagg gagggcagac ttacctcccc tcaaccagcc     2400
catttgtccc tgactcctgt gtaataaagc tgatgctcag ctgctggaga agagatacga     2460
agaaccgtcc ctcattccaa gaaatccacc ttctgctcct tcaacaaggc gacgagcgat     2520
gctgtcagtg cctggccatg ttcctacggc tcaggtcctc cctacaagac ctaccactca     2580
cccatgccta tgccactcca tctggacatt taatgaaact gagagacaga ggcttgtttg     2640
ctttgccctc ttttcctggt cacccccact ccctacccct gactcatata tactttttt       2700
ttttacatt aaagaactaa aaaaa                                             2725
```

<223> similar to gi5002330 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3062
catcaaagaa atcacactgg agagaagcca tacaaatgta ttgaatgtgg caaggccttt   60
gggcggtttt cttgcctcaa caaacaccaa atgattcatt ctggagaaaa accttataaa   120
tgtaatgagt gtggcaaatc tttcattagt cgctcaggcc tcactaaaca tcagacaaaa   180
catactgcag agagtcttaa aacaaaattc aatgtggaaa agcctttaga tgttctccta   240
acttctgggt tcaaataatt catacttatt gatatagctt gtatatttgt cacttccgtc   300
tg   302

<210> 3063
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (356)...(94)
<223> similar to gi1710216 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3063
ttctttcaga ctttttgctt taaatattct gtttgaaaaa aatactggtt tcctaagtaa   60
attattttct tggccattca ctgtggctca catctgtgat cccagctctt tgggaggcag   120
gggtgggagg atcacttgat ccaggagttc aagaccagcc tgggtaaccc atctctacaa   180
aaaattaaaa aattagcccg gcatgatggt gcaggcctgt ggtctcagct actcgggagg   240
ctgaggcagg aggatccctt gaacctggaa ggttgaggct gcagcagact gtgattgcat   300
cactgcactc cagcctgggt gatagggtga gaccctgtct ggggaaaaaa aaaa   354

<210> 3064
<211> 2729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1349)
<223> similar to gi505102 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3064

```
gcgaccgccg ctcggtgagg agtggcggag gggccagggc tagccttcag cgaggatgtg      60
cctgagcgtg ttcggcgcga atctgagcct gtcgggcggc gcagctccag cacttgctgg     120
agcagatggg agccgccttc ccgcgtgggc cgtcccggag cctggccagc tgcaccttca     180
accagtgttt aactggctga agagatcttt tcccttcatg gcttttcaaa tgctacccaa     240
ataaccagct ccaaattctc tgtcatctgt ccagcagtct tacagcaatt gaactttcac     300
ccatgtgagg atcggcccaa gcacaaaaca agaccaagtc attcagaagt ttggggatat     360
ggattcctgt cagtgacgat tattaatctg gcatctctcc tcggattgat tttgactcca     420
ctgataaaga aatcttattt cccaaagatt ttgacctttt ttgtggggct ggctattggg     480
actctttttt caaatgcaat tttccaactt attccagagg catttggatt tgatcccaaa     540
gtcgacagtt atgttgagaa ggcagttgcc tgtgtttggt ggattttacc tacttttctt     600
ttttgaaaga atgctaaaga tgttattaaa gacatatggt cagaatggtc atacccactt     660
tggaaatgaa taactttggt cctcaagaaa aaactcatca acctaaagca ttacctgcca     720
tcaatggtgt gacatgctat gcaaatcctg ctgtcacaga agctaatgga catatccatt     780
ttgataatgt cagtgtggta tctctacagg atggaaaaaa agagccaagt tcatgtacct     840
gtttgaaggg gcccaaactg tcagaaatag ggacgattgc ctggatgata acgctctgcg     900
atgccctcca caatttcatc gatggcctgg cgattggggc ttcctgcacc ttgtctctcc     960
ttcagggact cagtacttcc atagcaatcc tatgtgagga gtttccccac gagttaggag    1020
actttgtgat cctactcaat gcagggatga gcactcgaca agccttgcta ttcaacttcc    1080
tttctgcatg ttcctgctat gttgggctag cttttggcat tttggtgggc aacaatttcg    1140
ctccaaatat tatatttgca cttgctggag gcatgttcct ctatatttct ctggcagata    1200
tgtttccaga gatgaatgat atgctgagag aaaaggtaac tggaagaaaa accgatttca    1260
ccttcttcat gattcagaat gctggaatgt taactggatt cacagccatt ctactcatta    1320
ccttgtatgc aggagaaatc gaattggagt aatagaaaat ggaagatggt gttgttaata    1380
aaggcattta atagataaaa acatctccaa aaaggatttt gaagctgatc ctatttagtt    1440
aaaaagataa ttttgctttc aactgtaggt ccagaaaact aattattggc atcagtctgt    1500
gaaatagtcc attatttgtt gttaaaaatg cttcaaaagg ttttcagtgt cagtctgaga    1560
tgcctggtat ataggagcct ttgggaaata cctatttttc agtattccat gcatattgga    1620
tatcaccatg aagcaagaga catgcattct ataatcatgt agacactcag actcaggggga    1680
aaatacaagt tatatcctga aagcctttaa aactctatgg taggatcaaa gattcaaatg    1740
gtttcagaga ggtttttattt caattaattt gttctagtgc tttcaagagc aagtacatca    1800
aaatgtagaa ggtaaaatgt atgcaacact aatataaatt attccaagtc tttaaggagc    1860
caaagaaaaa aaagatttct cacagctttt tgttctgttt tgtatttcaa ttaggaactt    1920
gcagtattat tttgaaaacc attctaaaat aataggagtt aggaaataaa taaagttttg    1980
ctagccctgc taagttcagg cttagaggct tatcgctaag tataaacttc accagattcc    2040
acgaaaagct ggatagcttt ttttctgact tatgttgtgg ttgcacccct cacaaatggc    2100
agaacagtat gtaaagctgg taacacctcg gtttcagtgc accatgtgtt tgctttgtga    2160
aggtgaagaa tatgttggtt tagagaaaga aattggatgt aatttatgc aatttacttt     2220
taaagacaaa cataactatt tagcagagaa tattttaata aatgcaaaac aacagctgga    2280
ctgctgtaca tcaaggacag attaactgga aaacatatgt tccttatgtg tgattgagag    2340
ccattcagaa aagacttcct ttgtgttcag cctatacttt tccatatggt ataccttgaa    2400
aaaaattagc acaccatggt tatttttcta cctttttataa aagacagagc ctgtttactc    2460
atttagaaga tagagaaaat tggtctaaaa ttgaacatcc tagattcaca ctcccaagtc    2520
acttaaggtg atttgatggt gaggaaaatg attgacaaag cccaacaatg atctcaggaa    2580
ttacattttc caacagacca aaaaatgttt tcatgtagca gcaatgcaga tttggtgaat    2640
atttaatata tattttagta tgtatttcac tttatgactg acaattaaaa aatattgttt    2700
ggccaaacag taaacaccct tttgaaacc                                      2729
```

<210> 3065
<211> 1446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1374)...(144)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3065
aaccgaggta cataggacct cgcggaaccc cggtcgaccc cgcgtccgga gcgcctcgcg   60
gttcggaaga gcggcgaaat gctcttccgc tagaccagcc acttttttggg aatgagggcg   120
cagtcggagc ttgaacatct ctccgagctg cggcgggaag cggggaagga tcgcagctca   180
atgcatgggt cggccgcgcg gacgcgtgcg agtgtgcgga ctcattggac gacggcggcg   240
gcggcgaaag cggatgaaga ccccggagcc aacttgtttc cggtgagggc gggacagtct   300
gagctgctcg tgaatattta taaaccggct cccccgcagg cgccacctgt cattatgctt   360
actaacgttc gggacgtctc ccgggctgct tgggcgagga gaggcagggg tgtgtgaccc   420
cggtggttac tgtgctcgcg tagagcacct agggcctgct gaagccctcc ctcgcccgcg   480
cctctcctta gtccttgaga tgagatggca agttacagcg gcttctccgg cctgctggag   540
attcgctacg ggccaggaca ccgcagctgc cttccccaat tcgctttctt tccgcagccg   600
ccgctgcccc gaccccggat ctgcatgtgg aagtacctgg acgtccattc catgcaccag   660
ctggagaaga ccaccaatgc tgagatgagg gaggtgctgg ctgagctgct ggagctaggg   720
tgtcctgagc agagcctgag ggacgccatc accctggacc tcttctgcca cgcgctcatt   780
ttctgccgcc agcagggctt ctcactggag cagacgtcag cggcttgtgc cctgctccag   840
gatcttcaca aggcttgtat tgcaacccccc ttgggcaacg tggaggagtg ctaccgctac   900
ttcaccagtg tccttttttg ccatggagtc aggcggcctc ctttcagcat cgacctcttc   960
aaagaggaac agctgctggc cttggaagac tacgtggtca acacttactt ccgccacttc   1020
aagctctata aatacgtctt cacaccccag gtgcggctgg atctgtcttt gacttacatg   1080
gggctacagc cacccaaact gtggccagag agtgagacgg agaaagaaga aagcaaggag   1140
atggaggagc aggcagttac cccgcagaaa gaggaactag agacagtggc cccaccagag   1200
ccagagccaa gccacatcca cgtcctccga gcctacatca agacccaagt gaacaaagag   1260
ctggagcagc tccaggggct ggtggaggag cggctcaagg ccagcgagga aaggctcagc   1320
agcaagttga ctgcactaga gcggcccttc cagctacctc cgggtaaagg gtagagcatg   1380
atccagtgtc cccatacatt ttccccgaat tagagctctg ggccagaatg gcaccatccc   1440
tgcaaa   1446

<210> 3066
<211> 2190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2191)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (57)...(753)
<223> similar to gi1504006 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3066
```
attacgccaa gcttggcacg agggacccct ccaaactgtg tagacatagt ctaaaatgtt   60
tggagtgtaa tgaagtcttc caggacgaga catcactggc tacacatttc cagcaggctg  120
cagatacgag tggacaacaa atgaagaaac acccctgccg ccagtgtgac aagtctttca  180
gctcgtccca cagcctgtgc cggcacaacc ggatcaagca caaaggcatc aggaaagtgt  240
acgcctgctc gcactgccca gactccagac gtacctttac caaacgtttg atgctggaga  300
agcacgtcca gctgatgcat ggcatcaagg accctgacct gaaagaaatg acagatgcca  360
ccaatgagga ggaaacagaa ataaaagaag acactaaggt ccccagtccc aagcggaagt  420
tggaagaacc agttctggag ttcaggcctc cccgaggagc aatcactcaa ccactgaaaa  480
agctgaaaat caatgttttt aaggttcaca agtgtgccgt gtgtggcttc accaccgaaa  540
acctgctgca attccacgaa cacatccctc agcacaaatc ggatggttct tcctaccagt  600
gccgggagtg tggcctctgc tacacgtctc acgtctctct gtccaggcac ctcttcatcg  660
tacacaagtt aaaggaacct cagccagtgt ccaagcaaaa tggggctggg gaagataacc  720
aacaggagaa caaacccagc cacgagggtg gaatcccctg atgggcgccg tgtcagacag  780
aaagtgcaaa gtgttgcgca aaaacttttg aaactgaagc tgccttaaat actcacatgc  840
ggacacacgg catggccttc atcaaatcca aaaggatgag ctcagcccga gaaatagcca  900
cagatgctcc catgaggaaa atccccgtcc cacattggaa taaaaaagac atttttgtta  960
caaagtttgc cagtataata gagttaacag tactgtctag gctgttgcaa tatattctct 1020
ttcaatgtac cttccttcac ctcgtcgtat atatcctcga taagtattaa aacagtattt 1080
gagtttaaaa gagtttgtat atatttaaat gaataacttt ttatactctt tgttacatgt 1140
ttgtatcagt atttagtgga aaaccatttg agttgttttg ggttagaatt tttctttttg 1200
tactgtttct ttaaaacaga gttcttagta acaggggcag ttcctgaatt caaataaacc 1260
attttgtatg tttggatttt gaatgggtta actaattaca ggctaaaata atgccttttt 1320
tagtgttttt aatttttaga attcactaca taaattgtaa gtaattgtgg gtctcaaaaa 1380
cactaggaac ttttaagtgt cttagcactt cctcgatgtg cctgccctga gggagtgagt 1440
tcacatttga gacaactgca ctccagtgtg gacgtgcctt tgtcttcagg ccatgccgaa 1500
gggtgtttaa agcagtcttg caggtcgctc ctttcccagc cgtggataaa aactgaagct 1560
aggaatctaa taaggaatgc tgatttcctc agttccattt tgaggaatgg ggaaggctat 1620
tctaaagaaa aaaatgggat ttgtttctc ggcagatctg caaggctggc tttaagagca 1680
caaggaggga aagtaacgaa agggctggac tactataaaa gttacaaata cgtagttaga 1740
ccaatagatt tatatagtca ggttttttgtc atgtaattta ttaactaact attacagaaa 1800
cacagctaag aatatcaagt atttctctgg ctcttgacag aaaaaaatca gttgacttaa 1860
ccctttgctg tcaaaagagt tggcgtttcc tgttctgggt gctactgcca aacgttatgg 1920
tacttagagt cgggatgcac aacttcaacc accgacttat caatgcagcc gcctgtgtat 1980
tgcaattggc cgttacctta agcactgagc cacccgggtt tagttcagcc atttcaagag 2040
tacatttaac gtcggcagtt ctgctttact aaaatgcagt agaggtactc ttctgtccct 2100
tccgtttata gttctctgag agagttatat ttttggtttt gtttgtgtt tcttttgaat 2160
tnatatctgt attatcctga acatgtttga                                   2190
```

<210> 3067
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(544)
<223> similar to gi63568 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 3067
gaaaagaaca gtgcctcttt ccactgccag aaccccagga ccttttttcag gcctcacaga    60
tgaagtttga agattttcaa aaagatctca gaaaactgaa gaaagacttg aaagcctgtg   120
aagttgaagc agggaaagta taccaggtct cctcaaaaga gcatatgcag cctttcaagg   180
aaaacatgga acaatttatt attcaagcca aaattgacca agaggcagag gaaaattcac   240
tgacagagac tcataaatgc tttttggaga ccacggcata tttcttcatg aaaccaaaac   300
ttggagagaa ggaggtgtcc ccaaatgctt tcttcagtat ctggcatgaa ttcagctctg   360
actttaaaga cttctggaag aaagagaaca aacttcttct acaagagaga gtaaaagaag   420
ccgaagaggt gtgtagacag aagaaaggaa aatcacttta taaaataaaa ccaagacatg   480
actctggaat taaagcaaag ataagcatga aaacttgaac aatgaaaagc agaatgaaaa   540
tgagtcattg caacgacttt cacaaaattc agctgacctg agagtgggag ggaaactacc   600
gtcattctgc tcatgtttct tcttgacctc ttgcataatc tttttgtttt ctagacagtt   660
cactaattgt tgaattttac tgtatattca tataa                               695
```

```
<210> 3068
<211> 2043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2043)...(514)
<223> similar to gi3676764 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 3068
gaattccggg ggagagagag aaagagagga gagagaagaa acgggaggag gggataagga    60
aattaaaccc tttaagtcaa tgcatattgt ggtgacaccg gcacaggcgc cctcacggtg   120
gagtcggcca gggctgtgcg ttcccaaaat atgaccaggg gtgcttggat gtgtcggcag   180
tatgacgacg gcttaaaaat ctggttggca gcaccccgag agaacgagaa accgttcatc   240
gattccgaga gggctcagaa atggcgactg tctctggcat ctctcttgtt tttcacagtc   300
ctgctctctg atcacttgtg gttctgcgcc gaggccaagc tgacccgggc ccgggacaag   360
gagcaccagc agcagcagcg gcagcagcag cagcagcagc agcagcagag gcagcggcag   420
cagcagcagc agcagcggcg gcagcaggag ccctcctggc ccgcgctcct ggcgagcatg   480
ggggagtcct cgcccgccgc ccaggcacac agactcctct ccgcctcctc gtcccccacc   540
ctgccccct ccccgggaga cggcggcggc ggcggcggca agggcaaccg aggcaaagac   600
gaccgggggca aggctctttt tctaggaaac tctgccaagc ccgtgtggcg cctggagact   660
tgttacccccc agggcgcgtc ctcgggccag tgcttcacgg tggagaatgc ggacgcggtg   720
tgcgccagga actggagtcg ggggcggcc ggggggggac gggcaggagg tgaggagcaa   780
gcatcccact ccgctctgga acttgtcgga ttttacctt tcgttttgta attcctacac   840
actttgggag ttgttctcgg ggttgtccag tcccaacact ttgaactgca gtctggatgt   900
ggtgctcaag gaaggcggcg agatgaccac ttgcaggcag tgcgtcgagg cttaccagga   960
ctatgaccac catgctcagg agaaatacga agagtttgaa agcgtgctcc acaaatattt  1020
acagtcggag gagtactcgg tgaaatcctg tcctgaagac tgtaagattg tctacaaagc  1080
ctggctctgt tcccagtatt ttgaagtcac acagtttaac tgcagaaaga caattccttg  1140
caagcaatac tgtttggagg ttcagacgag gtgtccattt atattgcccg acaatgatga  1200
agtcatctac ggaggcctct ccagtttcat ctgtacaggg ctttatgaaa cctttctaac  1260
```

```
caatgatgaa ccagaatgct gtgacgtcag gagagaagaa aaatcaaata acccatccaa   1320
agggaccgta gagaaaagtg gctcctgtca caggacatcg ctcacagtgt catcagcaac   1380
aagactgtgc aacagcagac tcaagctgtg tgttcttgta ctgattctct tacacacagt   1440
gctcacagcc tcggcagcac agaacacagc cggactgagc tttggaggca tcaacacgct   1500
ggaagaaaac tcaaccaatg aggagtaacg gaaggacgag tgtcaccaca gcagcagctg   1560
gcccgccgtg aaaaatggca actgctgtct catgtaacag aaactgggtg cttttaccct   1620
cgaattactt attgcaaggc ctttagggta aaatttaaac agatgggcct gaatccaaac   1680
aaggacacaa ccacagcttt ttattgacta aaaggctgga aagtgacttt aaatttctca   1740
caccatttta tacactgtgt tttaatgttt ggaggtttta tttgctttcg ttttggtttg   1800
ggtttatttg tttgtttatt ttttgcactt gttaatacag gatttatttt gggggatggt   1860
ttctcagagg taaactaagt cttttcactg tctctatctc tctatatatt tctagtcatt   1920
gtgtgtgttc atcagatagt tctgtcttta tgtcctgtca gcttctatta gaggaatgat   1980
tgctatgacc tcatggtata gcaaaaaaca acaacaaaaa aagaataaaa aataaaaaaa   2040
aaa                                                                  2043
```

<210> 3069
<211> 1994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (114)...(1644)
<223> similar to gi3986770 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3069
```
cggacgcgtg ggggaagatt aagtctgtag cactgtttgt agcagcgtgt ccaaggcaag     60
aactgataac tctgagtgat gttcagaagt ttgcagagat aaatggttca gccctatgta    120
gctacaacct aaagccttct gaatacacta catctccaaa atcttctgtt ctctgcccca    180
aactaccagt tccagcgagt gcacctattc cattcttcca tcgctgtgct cctgtgaaca    240
tttcctgcta tgccaagttt gcagaggccc tgatcacctt tgtcagtgac aatagtgtct    300
tacacaggct gattagtgga gtaatgacca gcaaagaaat tatattggga ctttgcttgt    360
tatcactagt tctatccatg attttgatgg tgataatcag gtatatatca agagtacttg    420
tgtggatctt aacgattctg gtcatactcg gttcacttgg aggcacaggt gtactatggt    480
ggctgtatgc aaagcaaaga aggtctccca aagaaactgt tactcctgag cagcttcaga    540
tagctgaaga caatcttcgg gccctcctca tttatgccat ttcagctaca gtgttcacag    600
tgatcttatt cctgataatg ttggttatgc gcaaacgtgt tgctcttacc atcgccttgt    660
tccacgtagc tggcaaggtc ttcattcact tgccactgct agtcttccaa cccttctgga    720
ctttctttgc tcttgtcttg ttttgggtgt actggatcat gacacttctt tttcttggca    780
ctaccggcag tcctgttcag aatgagcaag gctttgtgga gttcaaaatt tctgggcctc    840
tgcagtacat gtggtggtac catgtggtgg gcctgatttg gatcagtgaa tttattctag    900
catgtcagca gatgacagtg gcaggagctg tggtaacata ctattttact agggataaaa    960
ggaatttgcc atttacacct attttggcat cagtaaatcg ccttattcgt taccacctag   1020
gtacggcggc aaaaggatct ttcattatca cattagtcaa aattccgcga atgatcctta   1080
tgtatattca cagtcagctc aaaggaaagg aaaatgcttg tgcaccgatg tgtgctgaaa   1140
tcttgcattt gttgcctttg gtgtcttgaa aagtgcctaa attaatttaa atcggaatgc   1200
catacacagc cacagctatc aacagcacca acttctgcac ctcagcaaag gatgcctttg   1260
tcattctggt ggagaatgct ttgcgagtgg ctaccatcaa cacagtagga gattttatgt   1320
tattccttgg caaggtgctg atagtctgca gcacaggttt agctgggatt atgctgctca   1380
```

```
actaccagca ggactacaca gtatgggtgc tgcctctgat catcgtctgc ctctttgctt   1440
tcctagtcgc tcattgcttc ctgtctattt atgaaatggt agtggatgta ttattcttgt   1500
gttttgccat tgatacaaaa tacaatgatg ggagccctgg cagagaattc tatatggata   1560
aagtgctgat ggagtttgtg gaaaacagta ggaaagcaat gaaagaagct ggtaagggag   1620
gcgtcgctga tgccagagag ctaaagccga tggcttcggg agcaagttct gcttgaacct   1680
agccgacggt tatggaaacc cattgacatt ccaaaacaat atatacacat aactatgtat   1740
ttgtgtgtgt gggtgtgtgt atatatgtat atgtatgtgt gtatatatgt atatgtatat   1800
acacacacac acataaatca gccaaaatca gagaaaagga acagggattt aatacctttt   1860
ttatgcttat ttttgtcaaa catgtactcc tttcatacgg gtggctttta caaggcaact   1920
tccgtcattt aatgttttca actgtaattg tcttaatgga aatgttaaaa ttcatatctg   1980
attaacattt ttaa                                                      1994
```

<210> 3070
<211> 2076
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1424)
<223> similar to gi1843386 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3070
```
ggaattcccc gctgccccga cgagtcggaa ctataccgag atccgggaga agctccgctc     60
gaggctgacc aggcggaaag aggagctgcc catgaagggg ggcaccctgg gcgggatccc    120
tggggagccc gccgtggacc accgagatgt ggatgagctg ctggaattca tcaacagcac    180
ggagcccaaa gtccccaaca gcgccagggc cgccaagcgg gcccggcaca agctgaaaaa    240
gaaggaaaag gagaaggccc agttggcagc agaagctcta aagcaggcaa atcgtgtttc    300
tggaagccgg gagccaaggc ctgccaggga gaggctcttg gagtggcccg accgggaact    360
ggatcgggtc aacagcttcc tgagcagccg tctgcaggag atcaaaaaca ctgtcaaaga    420
ctccatccgt gccagcttca gtgtgtgtga gctcagcatg gacagcaatg gcttctctaa    480
ggagggggct gctgagcctg agcctcagag tctacccccc tcaaacctca gtggctcctc    540
agagcagcag cctgacatca accttgacct gtcccctttg actttgggct cccctcagaa    600
ccacacgtta caagctccag gcgagccagc cccaccatgg gcagaaatga gaggcccca     660
cccaccatgg acagaggtga ggggcccccc tcccggtatc gtccccgaga cgggctcgt     720
gaggagactc aacaccgtgc ccaacctatc ccgggtgatc tgggtcaaga cacccaagcc    780
gggctacccc agctccgagg agccaagctc aaaggaagtt cccagttgca agcaggagct    840
gcctgagcct gtgtcctcag gtgggaagcc acagaagggc aagaggcagg gcagtcaggc    900
caagaagagc gaggcaagcc cagcccccccg gcccccagcc agcctagagg ttcccagtgc    960
caagggccag gtcgctggcc ccaagcagcc aggcagggtc ctagagcttc ccaaagtagg   1020
cagctgtgct gaggctggag aggggagccg ggggagccgg ccaggaccag gttgggctgg   1080
cagtcccaaa actgagaagg agaagggcag ctcctggcga aactggccag gcgaggccaa   1140
ggcacggcct caggagcagg agtctgtgca gcccccaggc ccagcaaggc cacagagctt   1200
gccccagggc aagggccgca gccgccggag ccgcaacaag caggagaagc cagcctcctc   1260
cttggacgat gtgttcctgc ccaaggacat ggacggggtg gagatggatg agactgaccg   1320
agaggtggag tactttaaga ggttctgttt ggattctgca aagcagactc gtcagaaagt   1380
tgctgtgaac tggaccaact tcagcctcaa gaaaaccact cctagcacag ctcagtgagg   1440
ccctgcccag gctgagctgc ttcagggcat cctgaggccc tgactgccag ctgaaggcgt   1500
ataattttc cctccgtgtg ccccacctac ccgtccaaga ccctctgtgc tccccaccat   1560
```

```
cctggaccaa ccaaaagctg aacggatgcc acactgtgct ggggcccctt gacctcagca    1620
gagccgcttc ctggtgctac gcagcctcca cactcagagc ccgtggactg ggctggccta    1680
agggccaggg ctgatggtac tgctggccca acactgctct ctttgtgttt ggtttttttg    1740
ttttttgtttt tattttgttt ttttccaatt ctttactttt gatactgtga agatctttcg    1800
tgccgaaaga taaagcaaca tttggacaca gagttggcat gttggtgatt tgtgggtctg    1860
ggcggggagg gagttgaggg tgtgctcaga agcatgggct ctcccttagt cactaaccct    1920
agcatgcacc atgcatcagc agtttggtgc tattgtccca ttttacaggt gaggaaacta    1980
aagccgatag gaaagtgact cagctcaact tagtctggct gattagcatt gagcgcagac    2040
tggtatgatt atggcatctg tgccctttc tccttt                               2076
```

<210> 3071
<211> 1696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1694)...(321)
<223> similar to gi19867 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3071
```
tggggatggt gggtcctggg gaaaaacggg cttttggtgt ggaaatgaca tctttcctgt      60
ttccgacctc tgcctgcctc atgccaggtg agacctttca tgcctgtttc catgattgag     120
aacatgggag tacgcttctt tccacctacg ttcctggtgg attttcactg gagttgggct     180
gcactgtgga aaaggggttg ggcagctcct gtggcacagt gaggggcat agaagcccaa      240
ggcagtcggt aagaaatcac caatttattg aatgaaaaac ccaacatcaa ctcagtccct     300
cccacccca tctcctctct ctggcccagg agacgctcag gacagcaggg ctgagccctg      360
ggaagggctg gaggagagct tggggggaggt atggagaatg agaaaaacac tttcaaaatg    420
aagttctgtg caaaaacttc tgggaaggag tgagaggaca agagaaaagc tccaaagggg    480
ctgtggggcg cagatggccg ggctggggggg tgcagagggc tgggctgggg ccctgtgtcc    540
tcaaccactc ctgagaacac ggacggtcag gaatgagggg ctcagacccc gggttggtga    600
gagggaggtg acagggaggg aaggagcctg ctggagggaa acctggctgg gaggatgggt    660
cttgggccca ggctgggggcc taaggagggg gaagaacaga gcagggaaag gcagaaaaac    720
tgacacggtg ggaaggaggg agatgaatgg gagatgaaac agaatgtctg aggggcccac    780
agacagcatg tatggtggtg ggggtctgcc tcccatctct ccaagtccag gcagagctgt    840
gctgggtgag gggctgggag gcagaggcag gagcatcatt aacaagggtg gaagccacga    900
agacagcgac cagtgcacag ggtgtgtcac atggtacaac caagagactt ggcgtgcaaa    960
gaaccaaaga aacactcagg acacacacga catctgcagg gaacctgggg gtggtgagga    1020
agtcgtgcac gggtggtggg gggagactgg gaggccctc tgtcctagaa acgctgtgtc    1080
accatagcaa cagggtcctg gaggcagggg agctgcctcc tgcccctgtg agctgtgaag    1140
tagggggtcct gtgggctcag ggtgcccct tacccctcct tgggaagctc tggggcaggt    1200
ggagaacccc ataagagttg aaagtggcct tgggtcctgc tggaggcagc agagtgagtg    1260
gatctggcag ctgcatccta gaggacaccc tggtggctgg aggggctggg ggaggactag    1320
gctctcctgc tggggaccag gattccagct ttctcatttc cgagaaggaa actgatacca    1380
caaggaagag tttggaagtc gggtgaagga aggcctgggg gactcagtcc aggggactat    1440
gggcaccaga aggcaaaacc aacacgcctt gggcctggag caggagggag aaggggaaaa    1500
gcgggaagga ggaggggctg tgcagggtg ggctggaggg gaggggaggg aaggcgtccc     1560
tgtggcagtg tccttcggga cctgggcgag tgagaggcag accctggtgc cagggaaggg    1620
gtgctgggcc cgggcctgct ggcctccccc tgccgcaggc ggtgaggctg gtggcagtgc    1680
```

1869

.

```
<210> 3072
<211> 1515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1516)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(1134)
<223> similar to gi3135309 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 3072
ctctcctcag cggctcgcct aagtccagtg cctcccaagc aggggctgca gcggggcagg      60
gagcccccgc ccctgcccct gcctcccaag agccccttcc catagctgga ccaggtggga     120
cagggatttt gggaggagga tggggcctgt gttggtgagg gctggttggg agagagggac     180
acagagggga tgcctgtctc acctgcccct gtcgctgtgt ccctggatcc ggccccagcg     240
acagcacctg ctccacggcc acttggctcc attcagagac caaacagctt cctcttccgt     300
tcctcctctc agagtggctc aggcccttcc tcaccagact ctgtcctgag acctcggcgg     360
tacccccagg ttccagatga gaaggactta atgactcagc tgcgccaggt ccttgagtcc     420
cggctgcagc ggcccctgcc tgaggacctg gccgaggctc tggccagtgg ggtcatcctg     480
tgccagctgg ccaaccagct acggccgcgc tccgtgccct tcatccatgt gccctcccct     540
gctgtgccaa aactcagtgc cctcaaggct cggaagaatg tggagagttt tctagaagcc     600
tgtcgaaaaa tggggggtgcc tgaggctgac ctgtgctcgc cctcggatct cctccagggc     660
actgcccggg ggctgcggac cgcgctggag gccgtgaagc gggtgggggg caaggcccta     720
ccgcccctct ggcccccctc tggtctgggc ggcttcgtcg tcttctacgt ggtcctcatg     780
ctgctgctct atgtcaccta cactcggctc ctgggttcct aggccccaaa atcggccctc     840
cctcaccct ttcccttcct ctctatttat aaggtccctg ctccacccga ccccacctgc     900
ggtgccttca gccccaacca aagacactag tgcaccccct tcacagacac tgacctcaga     960
ggccccactc tggtgccccc agaccctggg cccccagcct ctggcctccc tccagtagcc    1020
ccacgagtcc ccacctctca gtgctgacgg tgccttcatg tccccgccgg ccctgccct    1080
gccctctgta ccccgtgagg ggtggcagga gctggagtct ccccccttcct cctgtgccct    1140
cccttcccc ccccaacagc tgctatgggg gggctaaatt atctctattt tgtagagagg    1200
atctatattt gtaggggttc ggggcccagg ccgggtccct atctctgtgt ataaactgta    1260
cagaccgtgg ccgccctgcc tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgcg    1320
cccccacncn cacncacacg cgcacatntg nttcgcgtgt ggggggggtgt ggacatgttt    1380
ctgtgcccac cagcatctcc ctcctgagat gccgcccttt tttgctcccg gagcgtgcgc    1440
caacccccccg ggtcaactcc tttttgttat cggtgatttt tttttcgggg cctaattggc    1500
ccccgccccc cgcct                                                     1515
```

<210> 3073
<211> 4664
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4665)...(580)
<223> similar to gi3043708 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3073
tttttttttt ttgtggttgt gttccaataa aaatttтatt taacaaaata tgacagtggg   60
ggggccacag tttgcccaaa ctttgccttg gaggacatgc agaggcaccc tcagaattca   120
gtgaaaacct gctcccatat tgctaagact catgaagtat aatctctcac cttctttctc   180
tttcccctgc ccaggcccta agttagggtt cccatccata taacaaagac ttctggtcag   240
gtggcatttg ctatctctgg gattccctgc ccatgaaagc cacaaagaga tttcttcttt   300
tacacaccct gaagcatatt atggccccag caaggctaac taaatcaaac tgtggtttaa   360
aaacaaaaca aaccaaccac tgtgaaatat ttattтttgt tttgtagtat taagcatgat   420
taaaccagtg cagaaaaata ccaagtacat tgggtgaacg atgagctagc tgttctagta   480
tttgcttttt gtaatccagt taagaccatc agcatataca acatcatcac taactcaaca   540
atgtagctgc agggtaacat gtggataccc tgtgtgctct actggcctcc aaaggcattc   600
aggggatcat caaagatgtt ggacaccttg tgttcaaatc ttggttcagg tgcggcctgt   660
gcagatcggc ttttтggttt ggttgtctta gcctggatac cagaggagaa gatgtcatcc   720
atatcatcat caaatataga cttggcttcc actttctttt tggactтttc ctttggtttt   780
acagttaagt cagcaaagat atcaatgtta tcatcaaata aattagattc ccaatgtttt   840
ctccttctct ctggttтttct gagagggttt aattgcttcc gtaggcaaaa tatatcatcc   900
ttgttaagcc tcaaaaatat cgttgtgttg ttaatatgac atccgtgctg actattggga   960
ttттgtctca ttcttcttga ctttctgatc tgtaaagggg gtcatcctca tcttccagga   1020
gaggaaaggg atttgtтttc tttgctggtt ttggtтtagc agactgaaag agatcatcat   1080
cactgctggc ctcgcctaga gcaggaaaca tggggctctt tgctttacca cccactggtg   1140
ggttggcagg attctctgct atctttgcct tgggtttтgt tctctccaca gactgagatc   1200
cagtgcccgt ggaaaagatg tccccagaat caaaaaggtc agcctcccct ctggaatgac   1260
ccagagactt tgcaaagggg cttctgtcca ctccaggcac aggaccacct tcccaaggtg   1320
cagcggcagc tgccagggcc tcctcagtgc tgtcttctcc actggctgct ctgagctgtg   1380
gccgatggcc atttggggaa atggcgccat cagcccactg tgcaatgggt cctctgggga   1440
cgctcatgtc ctcagtctcg ctggactcct gagcagccag ccgcctagct gcacgggtct   1500
gcggtctacg cttccctctc atcttgacac ggctcttgtt tgcactgtgt aaggtgtctg   1560
cctgagctgg aagatcaaaa ctcacaccgg cctccccact cccgggaagg acaggcacac   1620
tttccagacc gtggctcctt ctgtgttcag atgaaggaaa agccaattct ggcaaaacag   1680
gctttacttc agagatctgg gaagccgctg tgggcagcaa ggccgctggg ttgatcgcta   1740
aatttgcctg aggtgtттct ggcttccata tgccttтttc tttactacct tgaatggatt   1800
caggatgttt ctggttттtg aaagagtcaa cagagtggtc ttttтtcact actctctттt   1860
tctcttgtac caaaggctgg gacttggcag agctgaaaag atcatcatct tcatcatccc   1920
caaacaggct cccaactctt ggctctaaca gcttggtttт tttggtgcca gcaaaaaggt   1980
caacatctgg gtcattgtcc ttttggagct tgtggctgaa aagcagctct tcatcctgga   2040
agacacctgt gctcttgggg tgggcatcag gaatcgcagc cctttcctac ttcttтttctg   2100
tggagcctgg gataatggtt ttgaatcttc caatттtatc ctcttcctca tcaaacaagc   2160
taagaacagt tttggttctt aggcttggtt cctttgtccc atggggatga tgaagaaaat   2220
aaatcagaat gcttgactgt ttcctgagca gatctagtca aaagtccttc cttттctgac   2280
tcagccacat cagttctccc aaattттaat gactccttgg cactctcaac cttcttatcc   2340
acagacttca ctccaagttg tgcctccttc tcttcttcat cgctgaacag caaaggtggt   2400
gcctcagaga cagtctcttt tttctttgtt gcaggaggaa cagatgtggg aggagagcca   2460
aacagagagc ctccgctatc aacatcgtct tcaaagagga gtgacactct ctgggtcttc   2520

1871

```
ttttggctgt ccttggcaat ggcaaaaaga tcatcttctt cgtcttcctc aaagagactg   2580
gtctttttca cagccttggc ctcctggctc tggagggtcc cagaatccct gggttctcct   2640
ttagacctgc tgtcagatgc taagtgggtc tgtgaagcag gaatattcca ctggtcctcc   2700
tcatcactgc tgaacaacag ggcagatgct ttcttttttgg agagctcgga ggctttttgct   2760
ttctcttctc tctgagcttg tagacacaat gtctgcttct tagcagctgt acccccaaaa   2820
agattatcct cttcatcttc atcatcaaac agggaaaccg acgtggggag cttgccaggc   2880
agcagagatg cacctttttaa gttactcgcc ctttgagaag aaaacaaatc ctcagagtcc   2940
tcctcatctg aaaataagcc tttttgagtc tttgtttctg atgagggctt gagattttttg   3000
ctggaagata aggtaacctt tttttctgct cttgctttat tttcatctgt ctgactcaca   3060
gtggcttctg gcgatgctac ggcttttttct ttgaacagat ctccttcttc atcaccaaag   3120
atatcagcag tggattggac tttgcctgtt ttagaaggtt tgctgtgggg tgccgagaaa   3180
aagtcgtcat catcatcacc atcatcatca tcaaagaggc cagtgggagg gggaccatag   3240
gggcttttcc ttggagtggg ctgctcaggc ttctgtggct ccttcagtga tggaacggag   3300
gcagcaccaa acacatccgt gtctcctaaa aatacagaaa cagctcctgc tgggattttc   3360
tttccaggtt tggatgatga agactcctcc ttaacagagg ctccagcttg ccgatcctgg   3420
ggggcttccg tgaagaggtc actctcctcg tcctcatcat caaagagccc cttgccccca   3480
ctgaacaggc cacctccaga gccaaatggc gagaagtcct cgtcggtcag cttggggggt   3540
gcgaataagt tatcctcttc atcgtctgaa ggagttctcc tttccttctt ctctttgagt   3600
gtcttccgag gttttgcttc tcctgagggt aaggttgtcg gctcctcgtc cactcgaccc   3660
atggcatccc ccttgatgcg ggcagccagc tcatctgcaa acgatgtagg tctgcttctt   3720
ttaggtctag tattttcttc aatgtcctca atatcttcct cctccttctc agagtcagca   3780
aaaaggtcac agccatcatc atcctcttcc tcatcactca tttgtgtggt gtgctggttt   3840
tgttcattgt cactgtgatg ggcaaaatct tcatctgact cctcctcttc tttctcttcc   3900
tcagtgtcca caatactgcc acgatcactg cctacagagc cttcttcact ggacagctct   3960
ccaagaccta catcttcttg ttccatgaac agctttgacc caatgagata tggtaaagga   4020
cgatcaatgt atagatcctt tggttcaagg atcagttcca cccgcccatt agcatcatct   4080
tcctcggagt ctgagtttcc tgctttgata tcaagttgct caaaggcact gtccaatact   4140
tgtaagccat agttcacagc ctcctggact ttaggaatga gatctacttc tttctgctct   4200
cgtgtcttct cctgctctgt tttttctgcc tcagccttga gtactggctc ctccacttct   4260
tcatcatata cacgattctc aatgaactgg gtattagaga gcataaggaa gtcattgaag   4320
acattatgca ggcgacaatc tgtggctttg gtttcccgaa ttagtccgtc cacttgtttc   4380
ttgatttcat gggtcctaga gatagtttgc tgtgagaatt cctgtagaaa ctgtagtagg   4440
cccgcgtcgg ccgccagcga ccagctctgg ctgctcctgc ggatctcctc catcgaccac   4500
ggccgctccc acacgggctc cgacgctggc gccagctcct ggtcgggggt cgtccggttc   4560
atcatcctag ccgcccggct cggtgggctc cgaagctgcc agcacacgcc gaggactgca   4620
gagccccgga agcctagccc cagccaagct gcccggggcg tgac              4664
```

```
tttttttttt ttgagatgga gtctcgctct gtcgcccagg ctggagtgca gtggtgcgat        60
```

```
ctcggctcac tgcaagctcc gcctcccggg ttcacgccat tctcctgcct cagcctccca      120
agtagctggg actacaggcg cccgccacca cgcccggcta attttttgta tttttagtag      180
agacggggtt tcactgtgtt agccaggatg gtctcgatct cctgacctcg tgatccgccc      240
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc accgcgcccg gctgcaaata      300
atctttcttt ttttcttttt ttctgagaca gagtctcgct ctgttgccca ggctggagtg      360
cagtggcggg atctcggctc acggcacgct ccgcctcccg ggttcacgcc attctcctgc      420
ctcagcttcc cgagtagctg ggactacagg ggcccgccac cacgcccggc taattttttt      480
gtatttttag tagagacggg gtttcaccgt tttagccggg atggtctcga tctcctgacc      540
tcgtgatccg cccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccgcgc      600
ccggcctatt tttagtttta aacaaaaaag tttaagaagt aaaaaaaaaa catgttttgt      660
tgtcgttttc tttgagaggg agtttagcat tgatgcccat gctggagtac aggggcatga      720
tctcagttta ctgcatcatc ctgcctccga gttcaagaga tttctctgcc tcagcctcct      780
gagtagctag gattacaggc tcctgccacc acaccccaca cattttttgt attttttagta     840
gagaacggga attcgccatg ttggccaggc tggtcttgaa ctcctgatct caggtgatcc      900
gcccgcctcg gcctccctaa gtgttgggac tacaggcgtg agccaccatg cctggcccca      960
accagaacac ttctgagcgt ggaagaggat gctgttaatt actcaagacc aaaaggcata     1020
aaaggagaca tatgtccacc caagtgataa ggcagtttgg gaaactacat ttcccagtat     1080
gccctgcccc ttgaaagtta aaaatcttaa ctggcacaga gcaccctggg acacctgtgg     1140
ttagcaccat ttaagaagta aaaggtatag ggttgggttc tgacgtgaag gctttcccct     1200
tccatgggac acttaaccag acacaggaca caacacctga ggtgaaattt caatgggtat     1260
taagtctggg gtagagcttc tctctcccca aatctagctt ccaaagatgt ggagctggtg     1320
gagctgtcca ttggtccact gccctgtttc tcctgggtgc tgcctctgcc tcctcatatc     1380
accagcgtcc ccactgccac tagtctgtag ggggattccg ggctaggtgc tcttcccact     1440
cgacttcaac caacttatat agctccatgg tggcctgggc atcttccaca gaggaatgtc     1500
cgctcttccc aacctggata tcccggttta gcagcttctt ggtgagatgc ttcagagaca     1560
tggtggcatt ctccgggcag tcagccttcc ggttgagggg ggggatatgg gaggtgtcac     1620
gggtgaggga cttggggtga aagtactgaa gggctttgaa gtcgttgtgg atggcatgcc     1680
ccaccactat cttccctgtg agtatcttca agatctctcc atccttgaaa tgctcactcc     1740
cacaagtttt ctttcttctg gaatccacct tcctcttcca caggtgattt ccatggtata     1800
ccctgtttgg actcatactg ccagtggctc cttaccttct tattgatctc caccccatga     1860
cattaatttg ccttcagtcc taaatgacac tcatgtttga gatgtccatg tatttagttc     1920
agttctggct tgctacatga agtcctttaa ctattaccat tatgttggcc ttagacacat     1980
ggctgggacc cgggctccag ggaggctaac aaaagcccaa aattacatgc aattagatgt     2040
gtatgggtac tagaggaaga gaatctgtgg ctttcatcaa attctcagag tctacaaacc     2100
gtaaaaaatt aagaatcaca tataaactaa agttgcagaa gcaaccttat tcacactagt     2160
tttggaacca agtaaaataa aaataacttc tcaatatttc aggaaactgt ttttttttt      2220
tgagatggag tctcgctctg tcgcccaggc tggagtgcag tggtgcgatc tcggctcact     2280
gcaagctccg cctcccaggt tcacgccatt ctcctgcctc agcctcccaa gtagctggga     2340
ctacaggcgc ctgccaccgc gcccggctaa tttttgtat ttttagtaga cgggggtttt     2400
caccgtgtta gccaggatgg tttcgatctc ctgaccttgt gatccgcccg ccttggcctc     2460
ccaaagtgct gggattacag gcatgagcca ccacgcccag gaaattattg tagttttagt     2520
agagacaaga tttcaccatg ttggccaggc tggtctcaaa ctcctgactt caggtgatcc     2580
gcctaccttg gcctccaaaa gtgctgggat tacaggcatg agctactgca cccggcctaa     2640
ccaggctgga gtgcagtggt gggatctcgg ctcactgcaa gctccgcctc ccgggttctc     2700
accattctcc tgcctcagcc tcccgagtag ctgggactac aggcgcccac caccacgccc     2760
ggctaatttt ttgtattttt tagtagagac ggggtttcac catgttagcc aggatggtct     2820
cgatctcctg acctcgtgat ccgcccgcct gggcctccca aagtgttggg attacaggcg     2880
tgagccaccg cgccggcca gcagcttcat ttattagggg cttcggtgag ggtggggaaa     2940
ggcagcgcca gggtcagagg cgccgaaaga agagcttgga gccgtggtcc agcgtgcact     3000
cgccggggcc cggccgactg ggctgcagct ggcgcagggc gtccctgtcc tcagcgcaga     3060
ggcgtct                                                              3067
```

<210> 3075

<211> 857
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(323)
<223> similar to gi3170196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3075
```
aaataccagc ttcgaaggac aggtggaaca aagttcctca aaaacttgga cactggccac      60
cccgtcttct tttgtaacga ttgtgcgtcc caaatcagga ctccttccac gtacatcagt     120
cacctagagt cacacttagg cttccggcta cgggacttat ccaaactgtc caccgaacag     180
attaacagtc agatagcaca aaccaagtca ccgtcagaaa aaatggtgac gtcctccccc     240
gaggaagacc tggggacttc ctatcagtgc aaactttgca atcggacctt tgccagcaag     300
cacgctgtta aacttcacct tagcaaaaca cacgggaaat ctccggaaga ccaccttctg     360
tatgtctctg agttagagaa gcagtagcat ttgcttttga tagaaaggac tgcagtttgc     420
tttgagggaa actgtggaag gcaccttcag gcccctctg acttgttgtt cttggcacat     480
gttcttattt taactgcaga gaatcactct gggctggact gtttttgtata actgtacagt     540
gtttaataga ggtgcataat cagctgttgt tactggtaaa atatgaaggt taaaatgcag     600
tggtaagtgt ttggaacttt gtgtaaacgg gatttagttg tgagcatcct cccgatgctt     660
caagctgcat gcattaacag acagtttaat taagcattta taacggaatc aggcacacct     720
tttccacgag actcgagtgt gctggcattt ctcacccttt catctttagc cctctgagta     780
ctttgaagca cttttgcatt aatttggtta aaaaataaaa taaaataata ataatgtatg     840
aagctctgtt ttttaaa                                                    857
```


<210> 3076
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1342)...(712)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3076
```
ggaaaaacaa acgccctttg agaagacggg gactcgccag gataccctc tctcccctca      60
tccagcctcc agcccaccca attcctcccc acctcctcca cctccccagg ccccacctac     120
ctcctccaac tcctccgggg aaacccaagc cctgccgctc atggaacaga agaactggaa     180
ccgtcgtttc tggaacagga ctatctgaga gcggttcttc ctggccctcg agttcatgga     240
acggtataac tggaaccgac gcttacggag caagggtatg cgagagcggt tcttcctggc     300
cctcgggttc gtggaacggt ataactggaa ccgacgctta cggagcaagg gtatgcgaga     360
gcggttcttc ctggccctcg ggttcatgga atggcctaac tggaaccaac gcttacggag     420
caagggtatg cgagagcggt tcttcccata caggaagtag aagatgtttt gtttggagtc     480
```

```
ctcgtcgtcc tcctccatgt cattggccag gtagctgagg acagaaatca ggttgctgct      540
caggggcacc accaggagag gcctccggct gaggtcagct tcccagagag gaaggtaagg      600
gaccgtccct agctcaggac tggcacccac cctgcagaga gccacgcctt cctcaggagg      660
gctctgctgg acagagacct gatcaagggc gtctcccact ccttcaggat ggagacaaaa      720
acccaactgg tggccgagag tggtggctta cgcctggaat cccagcacac tgggaggcca      780
aagcaggagg atcacttgag gccaggagtt tgagacgggc ctgggcaaca tagcaagacc      840
ctcgtctcta ttaaaaatgt aagaaatatg ccagacgcgg tggctcatgc ctgtaatccc      900
agcactttag aaggctgaag caggtggatc gcttgagacc aggagttgga gaccagcctg      960
gtcaacacgg agaaacccca tctctactaa aaatacaaaa atgagcctgg tgcggtggca     1020
cacccgttag gcctagctac tcaggaggct gaagcacaag aattgtgtga acccaggagg     1080
cggaggttgc agtgagttga gattgggcca ctccattcca gcctgagagg cagaacaaga     1140
ctctgtctca ataaacaaac aaacaaacaa acaaactgtc caggtgtggt ggcacagccc     1200
tgtagtcgga gctaataaag aagctgaggt gggaggatcg cttgagccca ggatatggag     1260
gctgcggtga gctatgatct caccactggc actccagctt gggggacagg gcaagtctgt     1320
ctcaaaaaaa taaagaaat tgaatacatt gaaaaaaaaa aaaa                        1364
```

<210> 3077
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (585)...(360)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3077

```
tggctcatgc ctgtgatcct agcactttgg gaggctgagg cgggcggatc acgaggtcag       60
gagatcgaga ccatcctggc taacacggtg aaacccgtct ctactaaaaa atacaaaaag      120
ttagctgggc gtggtggcag gccctgtagt cccagctact cgggaagctg aggcaggaga      180
gtggtgtgaa cccgggaggc ggagcttgca gtgagccgag atggcgccac tgcactccag      240
cctgggcgac agagcgagat tccgtctcaa acaagaaaaa aagaaaatgt tctaggccgg      300
gtacagtggc tcacgcctgt aatcccagca ctttgggagg ccgaggcggg cggatcacga      360
ggtcaggaga tcgagaccat cctggctaac acggtgaaac cccgtctcta ctaaaaatac      420
aaaaaattag ccgggcgtgg tggcgggcgc ctgtagtccc agctactcgg gaggctgagg      480
caggagaatg gcgtgaaccc gggaggcaga gcttgcagtg agccgagatc gcgccactgc      540
actccagcct gggcaacaga gcaagactcc gtctcaaaaa aaaaa                      585
```

<210> 3078
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(644)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(532)
<223> similar to gi804808 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3078
cgagattatt atgtaatggt aaaaggatca attccacaga aaaatataaa aattataaat   60
atatacgcac cccacatgag actacattaa tatgtaaagc aaataatgac agttctgacg   120
acagaaattg acagcactag taggagactt caataccccc cttacaataa tagaatatcc   180
aggcagaaaa tgaataaaga aacagctgat ttgaacaagc acacacggaa cattctgtag   240
gatagatcat atgttagttc acaaaacgag tttaaacaaa cctaagaaga tagaaatcat   300
tccacgtatt ttttctaacc acagtggaat aaaactagaa atcagtaaca gcaagaaaac   360
cataaaattt gtggaaattt aaacacagtc ttgaataatc attgagtcaa gaaggaaatc   420
aaaagggaat cttaacagta tcttcagaca aaaaggaaaa catagcatac tacaacctat   480
gggatgaagc aaaggcagta ctaagagaga agtttctaga gataaacaat actacattnn   540
nnnnnnnnnn nnnnggattt cattttttct tcgggggaacc agtaaaaaaa caccaccta   600
agcctagtgt ttgcttattg aaaaaaatat taggaattag ggg   643

<210> 3079
<211> 995
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (298)...(811)
<223> similar to gi530878 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3079
cccacgcgta cggtgcgggg caccccattt gacagctgct cctacctgtg ctcacacaca   60
ggcaacaggt ccaagttcag catggcggat gaagacgcac ggcagaaccc ctacccagtg   120
aaggccatgg aggtggtcaa cagcggctct gaggtctggt acagcaatgg gccgggcctc   180
cttgtcatcg actgtgcctc cctggagatc tgcaggcggc tggagcccta catggccccc   240
tccatggtta cgtcagtcgt gtgcagctct gagggcagag gggaggaggt cgtctggtgc   300
ctggatgaca aggccaactc cttggtgatg taccactcca ccacctacca gctgtgtgcc   360
cggtacttct gcggggtccc cagccccctc agggacatgt ttcccgtgcg gcccttggac   420
acggaacccc cggcagccag ccacacggcc aacccaaagg tgcctgaggg ggactccatc   480
gcggacgtga gcatcatgta cagtgaggag ctgggcacgc agatcctgat ccaccaggaa   540
tcactcactg actactgctc catgtcctcc tactcctcat ccccacccCg ccaggctgcc   600
aggtccccct caagcctccc cagctcccca gcaaggtctt ccagtgtgcc tttctccact   660
gactgcgagg actcagacat gctacatacg cccggtgctg cctccgacag gtctgagcat   720
gacctgaccc ccatggacgg ggagaccttc agccagcacc tgcaggccgg gaagatcctc   780

```
gccgtcagag acctcatttg ggtccccagg cgcggtggag atgttatcgt cattggcctg      840
gagaaggatt ctggcgccca gcggggccga gtcattgccg ccttaaaagc ccgagagctg      900
actccgcatg gggtgctggt ggatgctgcc cgggaggcaa aggacacttg tgtgtgcaac      960
ctttgaaaaa gaaaacacag aggggtgcct tgccg                                 995
```

```
<210> 3080
<211> 2717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2284)...(999)
<223> similar to gi5420387 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3080
atagaaaact gatactacgg acataagaat tttaaaaatt tcttttgcca aagctggcta      60
agggaatatt tttattcttc tgagggcagt taaggcttct gataagaaaa gagagtctga      120
acagagcaca cacatctgga gctccaggag tgggggatgc agcatcagat tccatcttga      180
atttctgcta aaatactttg tactcataat ggatctcaac aaagatctgt atttcatctg      240
tggctccatc ttccctctgg gtcaagtaga tgttaagctg gaccttggca cgcctcttaa      300
catgaagaga tctagctaga cagacagact cccccattta tggaacaaga attcaattta      360
ttctctattt ataaaacatt tttttaaagt gccttgggta taaaaatcta aatgtctgcg      420
gtgtgatcag tcaggagcac gtaactatca ctcttcgcat cctttggtca ctgggagatc      480
ctttgggggc tgggaggtcc ttctgtccca ggctaaagga aaagcttcac aagggtaaga      540
gccacagaac cctcggcaag aaaggccggt caggagaat gaatggtaca gagaggaaag      600
gaaggaaagg gggtggaaca gaggtagaag gcaaggaagg gatgccgcac tggagaccga      660
tggggacact ctaattgtgc aagagggagg atcttccttc ttgaatgctg aacacagcta      720
gtctgaacct tccttggaaa gtccagctgt ttgcccatgc ataggccaa ctctccctgc      780
aaagcagcaa atgtggcttc tatcaggaag gaaagtatc catcagtgtg acaagaggtc      840
accttcgaac ttgcatgaac tccttgcgca gccacaaaga gtcctggtag aagtgaggat      900
cgcctagtct tacggctgtc cgtttataga agtagcagta caacactgct gctagtctct      960
ggaatacaaa cagcatttga agtccatctg tccatatgaa gctgttggag tttttccagc      1020
gtaagttcat gacccagaca tgaagggaga tgctgagggc aaagtacaca gctgtcagga      1080
tgatggtccc tttgaactta tggaatagga ggttgaccag gccagcctgg aagacgaagg      1140
tgttgaagaa catgaggaaa atgatgatga tgttgaagag gactgcaata tcctggatga      1200
tgaagagcac aagctggatg acaggagtct tttggagcag ttctgagaag gaattgacaa      1260
agaggtcata ggacagcagc aggaactgca gagagagcac caggctgtag ttactggtct      1320
ggagcatctt ccttctgttt tctcgggccc ccaagggcac atcccacagt tcccagaaaa      1380
ccgctcctgg ctgtctccct accactgagg gagaggcttc tagttccttt gaatgagagc      1440
tgtttccctt gctctaaggc aagcacctcc aaactccaac gtcggttgtc atgcggacat      1500
cgtcccggct tccggaagcc ggctttaaat tccggaagta aatggaggag gcgggccccg      1560
tctgcgccgt gcggcctgct agtccccggc tttctcttcc cgctctatgg ccagtctggc      1620
cgccatgttg gagctttcgc tgttcggggc ccggcctgct ccgggccctc ccagcgtcgc      1680
cgctagctga cttagggctc ccgcccacac tgcgcacggc cttgctgagg gccggctcgt      1740
agtgggaggc ttcgcgttca cctgaacatt tccgcctcct ctggatgggg gatgagaggc      1800
ggggctgatg catcgcagca gtcctggacc ctgacttcgg acttggagaa gaaacgccga      1860
ggaggaacgg gagttagggg gttagcagct tggcgcgctg ggagccggcc accccctggtc    1920
tccggacttc acttcccagg aggcctcgcg cgcgactgga agtgctgcga gcctataaga      1980
```

```
aggcgaggcg gcacccgccg ctctgctctg gggcggcatt gccagccggc tgtaggcatt    2040
cagggcagtg tcttctgcat ctcctaggaa cctcgggagc ggcagctccg gcgcctggta    2100
gcgagaggcg ggttccggag atcccggcct cacttcgtcc cactgtggtt aggggtgagt    2160
cctgcaaatg ttaagtgatt tgctcaaggt gcccatttcg caggaattgg agcccaggcc    2220
agttctctga gcctatcatt agggctaaag gagtgcgtga tcagaatggt gtctggacgg    2280
ttctacttgt cctgcctgct gctggggtcc ctgggctcta tgtgcatcct cttcactatc    2340
tactggatgc agtactggcg tggtggcttt gcctggaatg gcagcatcta catgttcaac    2400
tggcacccag tgcttatggt tgctggcatg gtggtattct atggaggtgc gtcactggtg    2460
taccgcctgc cccagtcgtg ggtggggccc aaactgccct ggaaactcct ccatgcaggc    2520
tgcacctgat gccttcgtcc tcacattgcc agatgttggc agaagggcta atattgaccg    2580
tcttgactgg ctggagcctt caaagccact gggatgtcct ccaggcacct gggtcccatg    2640
accagctccc cgtctccata ggggtaggca tttcactggt ttatgaagct cgagtttcat    2700
taaatatgtt aagaatc                                                   2717
```

<210> 3081
<211> 2694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1187)
<223> similar to gi3513512 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3081
```
gctggacgcg gaggcgctgg gcgcacggcg cggagccggc cggagctcga ggccggcggc      60
ggcgggagag cgacccgggc ggcctcgtag cggggccccg gatccccgag tggcggccgg     120
agcctcgaaa agagattctc agcgctgatt ttgagatgat gggcttggga aacgggcgtc     180
gcagcatgaa gtcgccgccc ctcgtgctgg ccgccctggt ggcctgcatc atcgtcttgg     240
gcttcaacta ctggattgcg agctcccgga gcgtggacct ccagacacgg atcatggagc     300
tggaaggcag ggtccgcagg gcggctgcag agagaggcgc cgtggagctg aagaagaacg     360
agttccaggg agagctggag aagcagcggg agcagcttga caaaatccag tccagccaca     420
acttccagct ggagagcgtc aacaagctgt accaggacga aaaggcggtt ttggtgaata     480
acatcaccac aggtgagagg ctcatccgag tgctgcaaga ccagttaaag accctgcaga     540
ggaattacgg caggctgcag caggatgtcc tccagtttca gaagaaccag accaacctgg     600
agaggaagtt ctcctacgac ctgagccagt gcatcaatca gatgaaggag gtgaaggaac     660
agtgtgagga gcgaatagaa gaggtcacca aaaaggggaa tgaagctgta gcttccagag     720
acctgagtga aaacaacgac cagagacagc agctccaagc cctcagtgag cctcagccca     780
ggctgcaggc agcaggcctg ccacacacag aggtgccaca agggaaggga aacgtgcttg     840
gtaacagcaa gtcccagaca ccagccccca gttccgaagt ggttttggat tcaaagagac     900
aagttgagaa agaggaaacc aatgagatcc aggtggtgaa tgaggagcct cagagggaca     960
ggctgccgca ggagccaggc cgggagcagg tggtggaaga cagacctgta ggtggaagag    1020
gcttcggggg agccggagaa ctgggccaga ccccacaggt gcaggctgcc ctgtcagtga    1080
gccaggaaaa tccagagatg gagggccctg agcgagacca gcttgtcatc cccgacggac    1140
aggaggagga gcaggaagct gccggggaag ggagaaacca gcagaaactg agaggagaag    1200
atgactacaa catggatgaa aatgaagcag aatctgagac agacaagcaa gcagccctgg    1260
cagggaatga cagaaacata gatgttttta atgttgaaga tcagaaaaga gacaccataa    1320
atttacttga tcagcgtgaa aagcggaatc atacactctg aattgaactg gaatcacata    1380
tttcacaaca gggccgaaga gatgactata aaatgttcat gagggactga atactgaaaa    1440
```
```
                           1878
```

```
ctgtgaaatg tactaaataa aatgtacatc tgaagatgat tattgtgaaa ttttagtatg    1500
cactttgtgt aggaaaaaat ggaatggtct tttaaacagc ttttgggggg tactttggaa    1560
gtgtctaata aggtgtcaca atttttggta gtaggtattt cgtgagaagt tcaacaccaa    1620
aactggaaca tagttctcct tcaagtgttg gcgacagcgg ggcttcctga ttctggaata    1680
taactttgtg taaattaaca gccacctata gaagagtcca tctgctgtga aggagagaca    1740
gagaactctg ggttccgtcg tcctgtccac gtgctgtacc aagtgctggt gccagcctgt    1800
tacctgttct cactgaaaag tctggctaat gctcttgtgt agtcacttct gattctgaca    1860
atcaatcaat caatggccta gagcactgac tgttaacaca aacgtcacga gcaaagtagc    1920
aacagcttta agtctaaata caaagctgtt ctgtgtgaga attttttaaa aggctacttg    1980
tataataacc cttgtcattt ttaatgtaca aaacgctatt aagtggctta gaatttgaac    2040
atttgtggtc tttatttact ttgcttcgtg tgtgggcaaa gcaacatctt ccctaaatat    2100
atattaccaa gaaaagcaag aagcagatta ggttttgac aaaacaaaca ggccaaaagg     2160
gggctgacct ggagcagagc atggtgagag gcaaggcatg agagggcaag tttgttgtgg    2220
acagatctgt gcctacttta ttactggagt aaaagaaaac aaagttcatt gatgtcgaag    2280
gatatataca gtgttagaaa ttaggactgt ttagaaaaac aggaatacaa tggttgtttt    2340
tatcatagtg tacacattta gcttgtggta aatgactcac aaaactgatt ttaaaatcaa    2400
gttaatgtga attttgaaaa ttactactta atcctaattc acaataacaa tggcattaag    2460
gtttgacttg agttggttct tagtattatt tatggtaaat aggctcttac cacttgcaaa    2520
taactggcca catcattaat gactgacttc ccagtaaggc tctctaaggg gtaagtagga    2580
ggatccacag gatttgagat gctaaggccc cagagatcgt ttgatccaac cctcttattt    2640
tcagagggga aaatggggcc tagaagttac agagcatcta gctggtgcgc tggc          2694
```

```
        <210> 3082
        <211> 671
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(672)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (156)...(615)
        <223> similar to gi546454 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3082
tttcgtcggc cattttggtg gctggggcat ccttgacaaa cttggcagca actttggctg      60
cctgggcagc ggaggatgtg gcagcggcgt atgctgcggc ggcagcggcg gcgatggcag     120
cggtggtttt cagccggtga agggcagact ggggagcctt aggctgtgct tccttggggg     180
ccccatcctt gccaactcta tccttggggt ccccatcttt gccacctcta tctttgggga     240
catcatcctt gtgagctcta tccttggggt ccacatcctt gccacctcta tctttgggga     300
catcatcctt gtgagctcta tccttggggt ccacatcctt gccacctcta tctttgggga     360
ccccatcctt gcgagttcta tccttggggg ccccatcctt gcgggccctc tcccgaaggc     420
cccttaggct ggggacatca ttttcctccc cctttacttg dacagctgcg agctggaggg     480
cttctccctg gcgagactga tatggctgga gtggtcgagg ccacaatgag ccaaactcag     540
tggctggtgg tggggccctg gagggttggg gctgagttgg ccgcaggaca cctaagtccc     600
agaattccac cgcntggtct aatgatctac gaacctaatg gtctacaatn gggggggcgg     660
```

1879

```
<210> 3083
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(137)
<223> similar to gi509397 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 3083
tttcgtgccg ccatctgctg gcggctgcgc tcactgcacg ccttcgtctc cctagaccgg      60
taccgggagt accagtggat cggactcaac gacaggacca tcgaaggcga cttcttgtgg     120
tcggatggcg tcccccctgtg tcctgtgggc cgccaccgga gctgcccctg gctcaagtgt     180
tcggccgccc acggctgcgc tatgaggtgg acactgtgct tcgctaccgg tgccgggaag     240
gactggccca gcgcaatctg ccgctgatcc gatgccaaga gaacggtcgt tgggaggccc     300
cccagatctc ctgtgtgccc agaagacctg tgagtgccag gaagaggcag gtgggagtgg     360
gagacagtag ccaacagtag ccttggactc cacttaaagt cctgcctgtc actggccatg     420
tgaccttgga gccatcactg cccctctctg aggcaaaggg gaagaggtgg ctggaggct     480
ctggggttcc ttcagtgctg atgtctga                                        508
```

```
<210> 3084
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(216)
<223> similar to gi4063011 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 3084
ctgtgccgac gccaggagac cccaagctgc atcgccgagt ggaagcaact agaactccag      60
ggctgtgaaa gccacaggtg ggggctgagc gaggcgtggc ctcaggagcg gaggacccccc     120
ccactctccc tcgagcgccg cagtccaccg tagcgggtgg agcccgcctt ggtgcgcagt     180
tggaaaacct cggagccccg ctggatctcc tggctgccac ccgcacccccc cgccagccta     240
cggtgcgccc gcgggcccag cttctctctg cgctgctccc cgttaaattc cctggggaga     300
cggaaaaaaa ggcaaaggaa gtcggttctc caggggccag aagtgttgag cctaattagt     360
cttcagactt ctcaatgagg aatcgcttat cagtttctta tctgggagag ttgaggatgg     420
```

```
agggacagaa ggcacccagg atttgcacgg ggggggattc agggagagag ggtgatgagg      480
gacggggtgg gccttccagt cttggcccag tccccatctt gcacacattg ttggcttcct      540
cttagagccg ttcgcccccc tggggagggg agacccatag tgacctctcc tgacacccgc      600
cgaccctgac cagtgttgcc gggttcttca aaggccacgc tctgactgct ggtctgtgtc      660
acctgcaccc cccagcccca ccgtagagat gccttcttcg gtgacggcgc tgggtcaggc      720
caggtcctct ggccccggga tggccccgag cgcctgctgc tgctcccctg cggccctgca      780
gaggaggctg cccatcctgg cgtggctgcc cagctactcc                           820
```

```
        <400> 3085
cccagctggc aggcggctgt gtccctgtag aagggatgct ccatccagcc tgctactccg       60
gagctcgcgc ccacagcgag ggccctcgca gctctatctg gggactctgg taccagttag      120
cacttcttgt tcttgtcatg gggccagcca ggccctctct gaggtggcac ctaccgcctc      180
ccaggcctgg tgggagggtg ggccctgccg tcacaggcag acctggctag gatacttcca      240
gcctgggatt cgcctctgaa gaggcagcag ctgctagtgg aggtttctta gacaaggacg      300
caggatgggg caggagaggg gaggggcatg ggtctgggac aaatgatggc agtgccagca      360
ctgcatctcc cattgtgcag ggagtagccc gccctggaag tagggttggg ggtgaagcgt      420
gttggaagat gtgggagagg tgtgattcca gtaatgagtc ttataacttg ggagcagcca      480
cgcgtcaccc aggcagaagg acctggtggg agagctgccc gggggagtga ggacaggtgc      540
agactgggtg gaaggtgggt ggggagaaca accccagctg gacagggggt ttcccctaga      600
gccacagtcc cacctgcccc atgaagacct gggagcaact aaatctgggc tctgcgggcg      660
aggggtgggg ctggggcccc tatgcctcct gtcactagac ctgcctgtcc tgcc            714
```

```
<400> 3086
caggaggagg aaaaggaaac aaccaggcca gtcatggtgt ctcgtgccta cgaggaggag      60
gaggaagcgg aggaggggaa aaaaaaggag gaggaaaaag aaacggagca caaggagttg     120
gaggaggagg aggtggagga ggaggaggga aaagaaatgg agcaggagga ggagggaaaa     180
gaaatggaag aggaggagca ggaggaaaat gaaatggagg aggaggagga ggaaaaagaa     240
atggaggagg aaaaataaac aggaggagga ataagaaacg gaggaggaag aggaggagga     300
ggacaaagaa acagccaggg ccgacgtgga ggctcacccc tgaagtccag ctgg          354
```

<210> 3087
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(438)
<223> similar to gi56522 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 3087
atcaatggaa caaaatagac aatctagaaa tagagccaca caaacatgaa caacttgttt      60
ttgacaaagg tgcaaaggca attcattaga gaaaggatag tcctttcaac aaataatagt     120
ggaataattg gactgtatgc taaaaatatg aatccagagc taaagcttat acctttaaca     180
aaaattaact caaaatgatt aatacatcta aatacaaaat gaaaagctgt aaaactttaa     240
aaaacaaaaa tacattcatg atctggattt aggcaacaag ttcttaagac accaaagcat     300
agtacatttt taagaattgg taaattggat tttatcaaaa ttaaaaactt ttgctctaaa     360
aatacacaat taagagaata aaaaagacaa gcaacagtct aggagaaaat atttccaaat     420
cacatatcag acaaataacn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagtgcctt tcggacgcgt     600
gagtcgactt ggcaaaaccg gaccgggtcg ttccgaagga agta                     644
```

<210> 3088
<211> 2306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (87)...(2181)

<400> 3088
```
gcggtggaat tctgagggtc ttcacttcgg tgaactgaac ccttgaagcg gctgtgggca    60
gggcagcagg gctatggcca cccccagge tcgcctttgc cgacgcaaga gcccaactgc   120
cctcctgggt gcgtccccac gtcagggtgt atgacaactt tggccatgtc atccgagacg   180
tggcccagtt cttccgtgtt gccgagcgaa ctttctgcag atgccagcgc cggccccccg   240
ggctacagca cccagtgtgc gtggagaaga tgctgtcagc gaggccaagt cgcctggccc   300
cttcttctcc accaggaaag ctaagagtct ggacctgcat gtccccagcc tgaagcagag   360
gtcctcaggg tcaccagctg ccggggaccc cgagagtagc ctgtgtgtgg agtatgagca   420
ggagccagtt cctgcccggc agaggcccag ggggctgctg gccgccctgg agcacagcga   480
acagcgggcg gggagccccg gcgaggagca ggcccacagc tgctccaccc tgtccctcct   540
gtctgagaag aggccggcag aagaaccgcg aggagggagg aagaagatcc ggctggtcag   600
ccacccggag gagcccgtgg ctggtgcaca gacggacagg gccaagctct tcatggtggc   660
cgtgaagcag gagttgagcc aagccaactt tgccaccttc acccaggccc tgcaggacta   720
caagggttcc gatgacttcg ccgccctggc cgcctgtctc ggccccctct ttgctgagga   780
ccccaagaag cacaacctgc tccaaggctt ctaccagttt gtgcggcccc accataagca   840
gcagtttgag gaggtctgta tccagctgac aggacgaggc tgtggctatc ggcctgagca   900
cagcattccc cgaaggcagc gggcacagcc ggtcctggac cccactggga actttccaga   960
tgctctcgac cagctttgtg gctctacatc tcttcatcag gaagaacggc gccggatccc  1020
aagctgaccg tgtccacggc tgcagcccag cagctggacc cccaagagca cctgaaccag  1080
ggcaggcccc acctgtcgcc caggccaccc ccaacaggag accctggcag ccacccacag  1140
tggggggtctg gagtgcccag agcagggaag cagggccagc acgccgtgag cgcctacctg  1200
gctgatgccc gcagggccct ggggtccgcg ggctgtagcc aactcttggc agcgctgaca  1260
gcctataagc aagacgacga cctcgacaag gtgctggctg tgttggccgc cctgaccact  1320
gcaaagccag aggacttccc cctgctgcac aggttcagca tgtttgtgcg tccacaccac  1380
aagcagcgct tctcacagac gtgcacagac ctgaccggcc ggccctaccc gggcatggag  1440
ccaccgggac cccaggagga gaggcttgcc gtgcctcctg tgcttaccca cagggctccc  1500
caaccaggcc cctcacggtc cgagaagacc gggaagaccc agagcaagat ctcgtccttc  1560
cttagacaga ggccagcagg gactgtgggg gcgggcggtg aggatgcagg tcccagccag  1620
tcctcaggac ctccccacgg gcctgcagca tctgagtggg gtgagcctca tgggagagac  1680
atcgctgggc agcaggccac gggagctccg ggcgggcccc tctcagcagg ctgtgtgtgc  1740
cagggctgtg gggcagagga cgtggtgccc ttccagtgcc ctgcctgtga cttccagcgc  1800
tgccaagcct gctggcaacg gcaccttcag gcctctagga tgtgcccagc ctgccacacc  1860
gcctccagga agcagagcgt catgcaggtc ttctggccag agccccagtg agtgcccacg  1920
gaggcccccca gcacacccaa cgtggcttga tcacctgcct gtccagctct ggtgggccaa  1980
gaacccaccc aacagaatag gccagcccat gccagccggc ttggcccgct gcaggcctca  2040
ggcaggcggg gcccatggtt ggtccctgcg gtgggaccgg atctgggcct gcctctgaga  2100
agccctgagc taccttgggg tctggggtgg gtttctggga aagtgcttcc ccagaacttc  2160
cctggctcct ggcctgtgag tggtgccaca ggggcacccc agctgagccc ctcaccggga  2220
aggaggagac ccccgtgggc acgtgtccac ttttaatcag gggacagggc tctctaataa  2280
agctgctggc agtgccaaaa aaaaaa                                       2306
```

<210> 3089
<211> 1393
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1393)...(1099)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3089
aaattagaag cagtagatct catggagcca cgtttaatat gtgtagccac agtaactcga   60
attattcatc gtctcttgag gatacatttt gatggatggg aagaagagta tgatcagtgg   120
gtagactgtg agtcacctga cctctatcct gtagggtggt gtcagttaac tggatatcaa   180
ctacagcctc cagcatcaca gtgtaagttg gtatacagaa aaggtgtcct tttgtaaaaa   240
tcagcaattc tccagaggac tatctcacat aagtcatctt atgagctcac aggacaagaa   300
tatacctatg tctgattggt tgccaggtaa gacattaaga ctcaacaaca atatcacaga   360
atcagaccat gtgtcccatg gcaatgtgaa tccaatagtc aattacataa tgactataga   420
aacacaacag tcaccaaatt aaactagact tactatttta gtgagttaaa aattacatac   480
taaaagttta ttggtaggta ataaatgctt ttgagtaaat agtggaaaat gtctcatgtt   540
gaggctatgg ttttgtagga acaagtaccc ttattttcag agcatcatgt acttaagtat   600
aatggtcttg gtaaagatag ttcatataag ttgtatctag acaactgtat cgtctaaatt   660
gtaaacaatt atctagtacc aattttccct ttttattttt cagcatcaag agaaaaccaa   720
tcagcttcat caaaacagaa gaaaaaggct aagtcccagc aatacaaagg acataagaaa   780
agtgggtcac cacgtggtgt tcacatacat tttctaattg ttaactaatt ggagtcacag   840
tattcttgga cagaaaatga tatatcttgt gagaactgat gattgtgcat tatgtattat   900
gcttaaaggt gcagtatgcc ataaaaggca aacccttgca ataatgagaa acactgatat   960
tttactaaca ggagaaatta ttaccacagt atttaaagta tacgtggtaa agaatagagt 1020
ctgtgaatga ttcttgaaat aatatgtaaa acctactgaa agttaatcct ttttaaaaac 1080
tttatttaaa aagaaaaatt agcagccagg tgcagtggct cacgcctgta atcccagcac 1140
tttaggaggc cgaggctggc agatcacaag gtcaggagat cgagaccatc ctggctaaca 1200
cggtgaaacc ctgtctccac caaaaataca aaaaatctgc cgggcgtggt ggcacacgcc 1260
tgaagtccca gctactcagg aggctgaggc aagagaatca cttgaaccca ggaggcagag 1320
gttgcagtga gccaagatca cgccactaca ttccagctgg gcaacacagc aagactctgt 1380
ctcaaaaaaa aaa   1393

<210> 3090
<211> 904
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (235)...(752)
<223> similar to gi2980817 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3090
tgtcctgaca aggctgtaaa gttgaagtgt aacacaaagg ttaggtgccc aactcctgat   60
tttgaggacc ttcctgagag ataccagaac cacctctcag aacacaagtc tccaaaactc   120
ttaacagtgt gtaaaccatt tggtcttcat gcatctccac atgcatctat taaaagagaa   180
aaaattttgg cagacatcga agcagatgaa gaaaatttaa aagaaacacg ttggccttat   240

1884

```
ttgtctccaa ggcgtaagtc accagtaaga tgtgcaggtg taaaccctgt gccttgtaac   300
tgcaaccctc ccgtgcccac ggtatcttcc agaggacgag aacaagccgt aagaaagagc   360
gaaaaggaaa ggatgagaga ataccaacga gaactagaag aaagagaaga aaaattaaaa   420
aagaggccac tgctatttga aagagttgct cagaaaaatg caagaatggc agcagaaaag   480
cattattcta ataccctaaa agcactagga atatctgatg agtttgtttc aaagaaaggc   540
caaagtggaa aagtacttga gtacttcaac aatcaagaga cgaaaagtgt cactgaagac   600
aaagaaagct ttaatgaaga agaaaaaata gaagaaagag agaatgggga agaaaattat   660
tttattgata ccaacagcca ggattcttac aaggaaaaag atgaagccaa tgaggaaagt   720
gaagaagaga aatctgttga agaatcacac tgaatcatca aggtctcctc tctatgccct   780
tgctgttgtt tgcagcgtca gggtgtcagc agccgcattt gtgtttagaa catctgtggg   840
gacgcttctg atatgtgcag ggctgttgat caaagtcatc tgtagcctga aaagccttga   900
tcca                                                                 904
```

```
        <210> 3091
        <211> 6305
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(2809)
        <223> similar to gi2224617 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters


        <400> 3091
catcagcggg cggggggtgtc gccgaacagg ctgctccgca gagcccgccg cgaccccgcg     60
ccgcccccgcc ccgcggcctg cctgccagag gagccgaggg ggccgcccct cgcccaacct    120
gcccgacatg gggaacccct ggcccaggcg tgctggtcac catgacaaca gagacaggcc    180
ccgactctga ggtgaagaaa gctcaggagg aggccccgca gcaacccgag gctgctgccg    240
ctgtgaccac ccctgtgacc cctgcaggcc acggccaccc agaggccaac tccaatgaga    300
agcatccatc ccagcaggac acgcggcctg ctgaacagag cctagacatg gaggagaagg    360
actacagtga ggccgatggc ctttcggaga ggaccacgcc cagcaaggcc cagaaatcgc    420
cccagaagat tgccaagaaa tacaagagtg ccatctgccg ggtcactctg cttgatgcct    480
cggagtatga gtgtgaggtg gagaaacatg gccggggcca ggtgctgttt gacctggtct    540
gtgaacacct caacctccta gagaaggact acttcggcct gaccttctgt gatgctgaca    600
gccagaagaa ctggctggac ccctccaagg agatcaagaa gcagatccgg agtagcccct    660
ggaattttgc cttcacagtc aagttctacc cgcctgatcc tgcccagctg acagaagaca    720
tcacaagata ctacctgtgc ctgcagctgc gggcagacat catcacgggc cggctgccat    780
gctcctttgt cacgcatgcc ctactgggct cctacgctgt gcaggctgag ctgggtgact    840
atgatgctga ggagcatgtg ggcaactatg tcagcgagct ccgcttcgcc cctaaccaga    900
cccgggagct ggaggagagg atcatggagc tgcataagac atataggggg atgacccegg    960
gagaagcaga aatccacttc ttagagaatg ccaagaagct ttccatgtac ggagtagacc   1020
tgcaccatgc caaggactct gagggcatcg acatcatgtt aggcgtttgt gccaatggcc   1080
tgctcatcta ccgggaccgg ctgagaatca accgctttgc ctggcccaag atcctcaaga   1140
tctcctacaa gaggagtaac ttctatatca agatccggcc tggggagtat gagcaatttg   1200
agagcacaat tggctttaag ctcccaaacc accggtcagc caagagactg tggaaggtct   1260
gcatcgagca tcatacattc ttccggctgg tgtcccctga gccccaccc aagggcttcc    1320
tggtgatggg ctccaagttc cggtacagtg ggaggaccca ggcacagact cgccaggcca   1380
gcgccctcat tgaccggcct gcacccttct ttgagcgttc ttccagcaaa cggtacacca   1440
tgtcccgcag ccttgatgga gcagagttct cccgcccagc ctcggtcagc gagaaccatg   1500
```

```
atgcagggcc tgacggtgac aagcgggatg aggatggcga gtctggggggg caacggtcag   1560
aggctgagga gggagaggtc aggactccaa ccaagatcaa ggagctaaag ccggagcagg   1620
aaaccacgcc gagacacaag caggagttct tagacaagcc agaagatgtc ttgctgaagc   1680
accaggccag catcaatgag ctcaaaagga ccctgaagga gcccaacagc aaactcatcc   1740
accgggatcg agactgggaa cgggagcgca ggctgccctc ctcccccgcc tccccctccc   1800
ccaagggcac ccctgagaaa gccaatgaga gagcagggct gagggagggc tccgaggaga   1860
aagtcaaacc accacgtccc cgggccccag agagtgacac aggcgatgag gaccaggacc   1920
aggagaggga cacggtgttc ctgaaggaca accacctggc cattgagcgc aagtgctcca   1980
gcatcacggt cagctctacg tctagcctgg aggctgaggt ggacttcacg gtcattggtg   2040
actaccatgg cagcgccttc gaagacttct cccgcagcct gcctgagctc gaccgggaca   2100
aaagcgactc ggacactgag ggcctgctgt tctcccggga tctcaacaag ggggcccca   2160
gccaggatga tgagtctggg ggcattgagg acagcccgga tcgagggggcc tgctccaccc   2220
cggatatgcc ccagtttgag cccgtgaaaa cagaaaccat gactgtcagc agtctggcca   2280
tttaggaaag aagattgagc cggaggccgt actgcagacc agagtctccg ctatggataa   2340
cacccagcag gttgatggga gtgcctcagt ggggagggag ttcatagcaa ccactccctc   2400
catcaccacg gagaccatat cgaccaccat ggagaacagt ctcaagtccg ggaagggggc   2460
agctgccatg atcccaggcc cacagacggt ggccacggaa atccgttctc tttctccgat   2520
catcgggaaa gatgtcctca ccagcaccta cggcgccact gcggaaaccc tctcaacctc   2580
caccaccacc catgtcacca aaactgtgaa aggagggttt tctgagacaa ggatcgagaa   2640
gcgaatcatc attactgggg atgaagatgt cgatcaagac caggccctgg ctttggccat   2700
caaggaggcc aaactgcagc atcctgatat gctggtaacc aaagctgtcg tatacagaga   2760
aacagaccca tccccagagg agagggacaa gaagccacag gaatcctgac ctctgtgaag   2820
agatcctggc atttctggtc caacccaagc cagagaacca ttaagaaggg gccttcattc   2880
tggattctcc gacgcaacac tgacgtccca gctgcgacgt actgtcactg atgagagact   2940
gggaagggaa aagcatatat atatagagat atagagatat agatatatat acaggaaaca   3000
ccgcatcctt gcactgctgc tggggctggc agagcagttg gctgacagca acaaccgaca   3060
tctgaacacc tacatttcct ttgcagacaa attgaagaac tggtgggatt tttttcaaga   3120
aaaaaaatta tataataact ataatccctt gctcacccct ttcccccgcc aaattaaaaa   3180
cgccaagcca gaccccgaat gattgtagaa gtcccttccg gccctggttt tggcacgtta   3240
cagttaacaa gacgagcaat tccatttgtt cttctccaag catctctaag gcccacttga   3300
atgcaaagga aaacacttgc acagcaaagc aagagaagtc acagcagcaa gacacggcac   3360
aggtcaacca tttttccgag aaaaaaagaa aattccccac ttgggaagga aagaggagga   3420
acactggatt cttactttct ggatcttgaa cactgggctg caaaaaccta ccttccctct   3480
ctcccgcctt cccctcaccc tcaactctca atgtccttgc tgtcattttc tgtcctcggc   3540
tccctcctcc cccttcccc ttcccccacc ccacaccctt caccctctgt gtccgtggtc   3600
cttcctgagg gccactgcag atgactctcc tttgaaatga gaaaaagaaa agaaagcaag   3660
aacagaaaac gaagccacag gaagggaagt aggacattgt atggtttatg gtttctcatt   3720
atgaaggtgc agcttgtagg aggtttgtac ggatgtgctt tgaagttatg tatattacat   3780
ataacaggaa aaaatattaa aataaacagt gctggtaagt atgaagctga cattctaaaa   3840
ttataattat ctgactgtga ttgatgtatc ctgaggttcc tagatctcac tgaactggcc   3900
cagctaagga gacctggact ctgggtgtgg gttggctcac agtagggct gacgggttca   3960
gtgtagtaat actgtgtgtg gtgtttgtaa ttggttgatt ggtggggagg ggtggggggc   4020
cctaatggag aggtgtgggt ttggcaagaa agaagcaaca cagatgtcgt ccccaaaatg   4080
ccagttcaag acaccttctc cctgccccc tggtagtaac agtcagggcc tggtctgtgc   4140
tcaggtactg ggtcccagtc tgggactctg ctgctgaagt tgccacagta gaggtccctg   4200
gcttagtcct tatctcccta cggggcttgc cttggttttc agtcttctct ctctttctct   4260
cttttttttt tttttgccac attctgccct tccctgaccc cattgtaata accaactcca   4320
tatccaaagg gaggtggtgc tctcagccat tgtagaagat ggtggcttta acctgactgt   4380
ctaaaaattc ccagctaagc cttttcctct actctcttcc ttgttctgaa tcatttcttc   4440
ttctcaggcc aaagtagcca tggtaaggag gcttcatggg gcagaccctg aaagatcaaa   4500
actgcatttg caaagccctc ccctgtccca ggacaaagct gagactgacg ggtgatgttg   4560
ctcataggct ccagctctgc ataagacctt ggcttggaga cctccctctc agtcaacagc   4620
tgaactctga gcttgtgccc agaaattacc ccaagaccac aggaacccctt caagaagctc   4680
ccatcacaag cttggcattg ctctctgcca cacgtgggct tcctcaggct tgtctgccac   4740
aagctacttc tctgagctca gaaagtgccc cttgatgagg gaaaatgtcc cactgcactg   4800
cgaatttctc agttccatt tacctcccag tcctccttct aaaccagtta ataaattcat   4860
tccacaagta tttactgatt acctgcttgt gccagggact attctcaggc tgaagaaggt   4920
```

```
gggaggggag ggcggaacct gaggagccac ctgagccagc tttatatttc aaccatggct    4980
ggcccatctg agagcatctc cccactctcg ccaacctatc ggggcatagc ccaggggatg    5040
cccccaggcg gcccaggtta gatgcgtccc tttggcttgt cagtgatgac atacacctta    5100
gctgcttagc tggtgctggc ctgagggcag ggcaggaaaa tcagaatagc atttgctttc    5160
tctgggcaa aaatgggaaa gttcagcggg gcagcagaat cagtggcatt ccccctggtg    5220
caggccggtg ggtccactcc aactcccct gagtgtagca gcacacttc catacaccag    5280
gttctttta caatcctggt ggaaaagcca cagaaccttc ttcctgccct tcttgagagt    5340
tccccctctt tctgggtcaa gagctggagt ggtggctcca tcctctctgg gccacttcgg    5400
tctaggaact catctttgca ggaaccagga gtcctgagca cactgaacac acctcagagg    5460
gaggatcctt gttgtggatt ttgcacctgg ctttggggca ggggtgaagt gaccaggctt    5520
agcttgtgga gtttatgggc caccagggtt tggggaaatc accatcccgc ggatgctgtg    5580
acctcccttc tacggagatg caggcagtgc cacgagggag gaggggacct gcaaagctag    5640
aatctagggc actgtttcct ccccatcctt ctctttgtag agaatagaga cgtttgtctt    5700
gtctgtcttc aacctacttt tccttttctc tttttgttt ctcatcctct ctgtgccacc    5760
tctccaccca ggaggccatg tagcatagtg gaaaaagtcc ctgagggcgg ttaggagttc    5820
tgggtgacca tcctggctca gctcctaact caccatgtga catcaggcta tccccattcc    5880
ccctcttggg cctcagtttc ccgacttgca aaataagcag aaagaaccag atgctctcca    5940
gggtcttttt ctactttgct atctcatggg tcttcatttt ctcttatttt gttttctctg    6000
gatcttttcc atctgagggt acaggaagta ccaggacctg tttcagtttt tgaatcctgc    6060
aagcacattc caagactggc ctgaaactgc atgagcaaca tcactcgaaa taattttttt    6120
tttcaaaagc accttaacaa ccaattgcga tgctgtcctg ttcctttta ctcacaccct    6180
tctctccttt ctcgtcccca tgctcccca cctcagtgct ccgtgctgta tgcgtgtgct    6240
ctctgttctt gtatactcaa tataagtgaa ataaatgtgt ttgatgctga accataaaaa    6300
aaaaa                                                                6305


        <210> 3092
        <211> 1595
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1596)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (928)...(1545)
        <223> similar to gi5917666 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 3092
tttttttttt ttctttaaaa ccatttactt acaaacttta attcagcaaa ggtccgtgtg      60
gggagactgg ggtggggtcg ggggaatagt ccccttggag tggatgtgga cccccagagt     120
caagggaggg aagctggtgg cccagttggc tgggggcaag gcccagggtc acctcaggtc     180
gacaggtcct gctggtgggc gggcccagag tttatcttca tggagtgctg gtttctggca     240
ctgggctgga aggaggccag ctccagggat ctggccgggg gtgggcaggc agaattcaag     300
aattcatctt caacaagcga gtgacagcag aggctccggg agatgggcac aatgtccgac     360
tcccacagac agacagcagg ggactggcag agaaagccca tctctgcacg gaggcccggg     420
taggaggggg tggtggggcc ggttcgccaa gatgaaggct ttccccttct actgtccca     480
```

```
gggtggagat cctgggtagg gtggcccaat ccctaggcca gagctgtttg gtccatagtc    540
aagctcccag agcttggcat ctgtggctct ggccagcagg gcctggggcc cagcttttaa    600
ggcatcagaa ggggagggggg ctgcggcagg gacccccgggc cccacggctg gggtataggc    660
cagatgggca ggcaggggca ggagacagcc atgcctgcag caaatgtggg aaaaacagct    720
gtttcaaacc gcaaggtgtg gaatggtggc ccggacaggc cgggccttga aggaatcaga    780
gctgggggct gtccggggtg gtttgaaaaa taaaacttag aaaaggaaac agaagtcagt    840
tgtcaaagtt aaaaaaaaaa ggagacagtc tctgtatctt cacgggaggt cagggaaacc    900
tccaaggcac tcgaaaggcc aaaattacag gagcaatgag gcaggagggc tccggagaga    960
cgggcacagc ggaggaggag atggggggag ggagggagag caggccgggg cccctctctc   1020
ttaaggctgc agggtttcag cgtggggagc aagccagaga cataatgagg cctccagact   1080
cccccacacc ccttgggctc ctggggctcc ggctgattgg tcagtaaagt ctttcagaga   1140
tttttctatt accgaaagag agaaaatggt ttaaaaaaaa cacaaaacaa aacatcagaa   1200
aacccaaaag cgatttggtg caggcccttg agttatctct ggtgccagcc acttagaaaa   1260
tcctcttccg cttcaggtag gagtccgcgt agtggccgcc gaggccctgg gagtgctggc   1320
ccacatagct gccttctggg ctgggctcgg gcgagggcag caggtgggca aagctgcgtt   1380
tctgcccgcc cagtggggtc ttcagcaggt ggctgtgacc attaggcccg ggggtgaggc   1440
ccaggagccc ttccccggac cccagcgggg aagagccgat tgccttactg aggtggctct   1500
gcttgaggcc agcctgcagg ccgctggtaa gtattcctgn nnnncgtnnt tcgagactgc   1560
agtncgggcc ccctgggtta ttcctnncgg gcccc                             1595
```


    <210> 3093
    <211> 1123
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1122)...(599)
    <223> similar to gi1177607 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

    <400> 3093
```
ttttgagacc atttgtcgat ccctagtcca tgtggtggaa ttcgttttga ctgagcagaa     60
tggtgccatt gcagatcaac acgcacttta aataatcaaa acccctatct ttcccctggg    120
aaggaggaag ccgaggaagg ctgtgtttct gactcacacg ggggagtcgg gggagtcgta    180
aacaaccctg aagagaacag ccaggcctgg tgagtcactc ctgggagtgg ctcctcccca    240
ccctgccacg cagcggcaac tgcgggctgg gcctacccccc tggtggccac gctccctccg    300
cacccggcct ctctctgtgg catggggggcg gccatgcccc ttggtggaga tgaatgggag    360
tggagctggg ctggctgggc aggcaggggc ttgcctcttg ctgactaagg cagccctgga    420
ggggcccgac catggggcag gaacccagtt gccatcctca gagcgaggat cattggccgg    480
gctcggggat cagggcctct gtggtcccgg cacgcctggc ccgtgagact gtactctgca    540
cgactcctcc aggtggccag ggtcaccgga actggctcgc tctcctctgc cagttgccgg    600
aggtctgggc accaggccaa ttctcacctt cccgccaggg ttaaacatta gtgggaggtt    660
atcagcgtgg gccagggggag ggagaggggg gaattcaact ctgtctcctc tgctggagcc    720
accagttccc gcaagcccag acaatgccgg tggaggaatt tgtggctggc tggatctctg    780
gtgagacatt tttcttcctt ctgtcacatc acacccaatg gtaggtcact tcctcgggaa    840
gatgggtgac atgggaggag cagagaccaa agtctgagtt ccggcctggc gggaggatca    900
cttgagccca ggagtttgag accagtctgg gcaacatagg gaggcccctg tctctacaaa    960
aaaatcaaaa taattagctg ggcatggtgg ctcacacctg tagtcccagc tacttaggag   1020
gattgcttga gctcaggagt tcaaggctgc agtgagctat gactgcacca ctgcactcca   1080
```


                                 1888
```

<210> 3094
<211> 1369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1371)...(351)
<223> similar to gi4206386 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3094
```
tttttttttt ttctgatcag actctttta ttgttttgtt ttttataaac aagtctcagg      60
tggaaaaaga aagaaaggga ggagctagct ctctgccttc tcagccaatt gaaatcgtgg     120
aaaccaatgg gcttcagcta gccccactca tcactgctgg gggggaaaag acatccctac     180
tcccttccc cgtggcactc atgatattct caatgcccca acaagggtca tcttggttcc      240
tctcggcgtt tctgtcctgg cctttggctc tggctccggc tctgactccg actccggctc     300
cggccagggc cccgggagcc cctagagctg ctggagcccc tggaagagtt gctgccggcc     360
gtggaacatg tgctggtgcc ctggccccgg dacaggaagc ttggtctgct gtatgggagc     420
caggcctctt catctgggtg gagcacccgc tgggctgcca ggggcacggc ctggaccgct     480
ttcctctccc cactgcgctc ccgctccagg gaggacatgc tgcctgctgc cctcagctct     540
agggcccagc tcgcctcttc ctctggcggt ggcaagggtg gtgggggcaa gtccccagga     600
ctgttctccc tcctgtaggg aagagccttg ggtttcttcc ggaatcgagc acggggtcct     660
tgaagtgggg gagtcatctc cccattcccc tgccaggttc tgcctggggc actgctggct     720
gtgctagggg caggactggg gctgaggtgg ggtgaggctg cagggccagc acccaagcca     780
gcaggcctcg cttcacggat gcccagcatg ggctgggata cactgagagg ggaactcggc     840
ccaaggggca ccctcctggg catctgatgg agatggggca tgtcagttgg gggctgggga     900
gggtcaggag gtgagggtgt aagagtggct gtggactgct gtccatagga aggtgtggga     960
gaggggggttt cccttcggga tggggtgacc aggcaccctc cactggagct gggctccgtc    1020
aggtgacttc tctcaggcat tggcgggcac cactcctctg ctttgagct gccctccagc      1080
tcctcctccg gcccttctag gcagctcagt tcacaagaag gaggaggtgg gggcagggct     1140
tctggccagt tcagagaggg catctgcaca ggtttcccca gaagcttcac tttgcctccc    1200
ttggctccac tgtcccctg gctccactct ggaggagcgt tctggctcca gggacccaga     1260
tctcctgagg gatgttgggg gaagccccca tggaaggtct gcagctctct accccgctgg    1320
gtcaatggtg ctatagacag gaccctcccc aggggggggc gggcccctg               1369
```


<210> 3095
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (719)...(848)

<223> similar to gi4115936 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3095
caagatcccg acaggcttaa tcgctccctt aaggaaaaag ttattccttg catccgcggt   60
aaacttgggc cccccaagg atcctttaaa cgggccgccc ctttttttttt ttttcaattt   120
cttcaacagg tcatgttcaa tttcttcaaa gttttaacat aaaaataatg agagccagga   180
gtggggccgg ggcctggggg gacgaaggtg gtatgtgaaa caaggttggc acacaggcct   240
caccctcctc tgcctcagat tcccaagtgg gcaggtgggg gtgaatgggg ctccgggtag   300
cacctcagct cctctcagct cccctcagcc tgttctcctt ccagacccag agagctgaga   360
agagtagctg tgaggctcag ggcagaggct ctctgccttt caggaacagc ccttaaccct   420
gctcccttg cttgggcctc aggaaggtgc cgcgagctct cctgccgtcc ctgggccgcc   480
ctggctctgc tgtgtccaga tggtcaggct actgccagct ggggccttgc tgctctgaag   540
tcccaggaag ccaggggtct gcaggagcct cttgcctcca ggctggttgg ggaagacgtc   600
ctccaggaag tagtagatat ggcccaccgc aatccccagc aggtccacga ggatggagtt   660
gcccagcagc agcgagaagc ccatgagcgc ccaaggcagg aacggtgcct ggaacttccg   720
gaacacaagg tgcgggttga agtagagttg aaaggggctg aggagctcca gctgcaccgc   780
ggcggtggtg aggacacagg ctgcggtgta agcccgcgtc accgccggca cctgcaggaa   840
ctcggccgct agtccctgcc   860

<210> 3096
<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(769)
<223> similar to gi643658 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3096
ggatggtcgg ctgggtgggc ctggacggct ggatgggcct gggctgggtg ggcctgggca   60
gctgggtggg cctgggcagc tgggtgggcc tgagctaggg cagcagggcc tggctcacgc   120
cgctgcctca gatcccgcag gcggagctgc caggggccac cctgcaggtg cagcttttca   180
acttcaagcg cttctcgggg catgagcccc tgggtgagct ccgtctggca ctgggcaccg   240
tggatctgca gcatgttctg gagcactggt acctgctggg cccgccggct gccactcagc   300
ccgagcaggt cggggagctg tgcttctctc tccggtacgt gcccagctca ggccggctga   360
ccgtggtggt gctggaggct cgaggcctgc gtccaggact tgcagagccc tacgtgaagg   420
tccagctcat gctgaaccag aggaagtgga agaagagaaa gacagccacc aaaaagggca   480
tggcggcccc ctacttcaat gaggccttca ccttcctggt gcccttcagc caggtccaga   540
atgtggacct ggtgctggct gtctgggacc gcagcctgcc gctccgaact gagcccgtag   600
gcaaggtgca cctgggtgcc cgggcctcgg ggcagcccct gcagcactgg gcagacatgc   660
tggcccacgc ccggcggccc attgcccagc ggcacccct gcggccagcc agggaggtgg   720
accgcatgct ggccctgcag ccccgccttc gcctgcgcct gcccttgccc cactcctgaa   780
tgcaccacat gcctctgtct ccccgctgag cccaggcact gcccaggcc gccctgcagg   840
accactgcaa taaacgcatt ctcctgccaa a   871

                              1890

<210> 3097
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (802)...(867)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3097

```
agggagctgc ccctcacgcc agagcagctg gaggctgtgt ttgaaagtct ggaccaggct      60
cacactggct ttctcaccgc cagggagttc tgcctgggcc tggggatgtt tgtgggggtg     120
gcgtcagccc agggagcgaa cccctgcagg actcccgagg agacctttga gtcgggcggg     180
ctcgacgtgc agggcacggc gggctctctg gatgaggagg aggaagagga ggagcgattc     240
cacactgtgc tggagcagct ggggggtggcc ccggtcctgg gcgagcagcg ggctgtgagg     300
acgctctggg ccaggctgca gcgcgagcgc cccgagctgc tgggctcttt cgaggatgtt     360
ctgatacgcg cgtcggcctg cctggaggag gcggcccggg agcgcgacgg cctggagcag     420
gcgctgcgga ggcgcgagag cgagcacgag agggaggtgc gcgctctgta cgaggagacg     480
gagcagcttc gggagcagag ccggcgcccg ccgagtcaga acttcgcccg cggggagcgg     540
agaagccgtc tggagctgga gctgcagatc cgcgagcagg acctggaacg cgcgggcctg     600
cggcagcggg agttagagca gcagctgcac gcccaggctg cggagcacct ggaggcacag     660
gcccagaact cccagctgtg gcgggcgcac gaggcgctgc gaacgcagct ggaggggggcg     720
caggagcaga tccgcaggct ggagagcgaa gcacgaggcc gccaggagca aacccaacga     780
gacgtggtcg ccgtctccag gaacatgcag aaagagaaag tcagcctgct acggcaactg     840
gagctgctca gggagctgaa tacacggctg cgggatgaca gggac                     885
```


<210> 3098
<211> 3658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3659)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3659)...(391)
<223> similar to gi532056 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3098

```
tttttttttt tttaagatag aaatctatgc actttaatga ttgccagaat tgcccagcat      60
agcttcagta aaatagagaa ttgtctagaa aatacaatct ccaaaatgtg tgcaagtact     120
gcaaaccgga cagaccgggg cagggcaagg cccttgaaac caagtcctcc ttgagcacct     180
ttcccaggtt agaaacccct cttcagcctg tgcttcgcac gtttccttca gcgtgccgcc     240
cattcagact gcgccaactt acgtccccag tgcccacgcc tgngtggatc aagtgtccaa     300
cgggaaagta tgagttaggg caagcgcttt ttttttaagc tgtaaacgct tcacatgact     360
gggccccgta aggaaattgt ggggagctta ggatgagcct gggagctttt tcagggactt     420
ggatgaggac tctgtacaca aatgtgtact ggcagagagt ctgcaccagc atcattctct     480
gttgccctca gcatgtccag cactctcggg atgtccagca cctcattgtg ttccaggcag     540
gcgatcatga tctccgacaa aatcaccacg ccagtccttc ctaccccagc actgcagtgg     600
accaacaacg gagggttggg gctttgggga tcacttgtgc tatttgtatg gcgtcgaaca     660
gactggatct cttcaagata tgataaaaat cccttgaggt cttctggaca gccatgttca     720
ggccagtctg tgtattggag gtgccagacg gtcctctctt gcccggtaag gaggtgcttc     780
atcttcaggc ctgtggtggc atagcagcca gagtctgtgc ggaaccgggt cgtgatctta     840
aaccttccat aggtgacagt gttgtgcctg gaaccaagtc gtggccagta cctaaagctc     900
ttctcccttc caccctcctc ttctgctgtc accattgcta taattgcaat tccctgttcc     960
cataccatct gccaaaaatc ttgacaggta ttctgtaatg gtccctgtgt ggcaatataa    1020
tcccattcga ttccactgac agagacctta atatgtgatg cgttgatgta accagtgttg    1080
ttttctttag ttgggaccaa ctccactctc acatcatcat aaggaagaac atcttggaat    1140
cgatttcttt ctgcattttc agggagtcgt gctgttgagc actccccatc aactagccgt    1200
ttcttaagaa ttctttcata ttctgtgaat accattcctt gttctaatcg ttgttccaga    1260
attttacacc tttcatcatt cgttgctctg gtagccactt cctttccttc atcaggcaga    1320
ggcactcgag ataggtgagag tccatttagg gcagccagtt taagaggacc aatttttttt    1380
gcatctactc gagtcttttt cattcccect agaggcggga gcccttccac gatgttcttc    1440
ttcccagaga gaaggtccga caccggcctt ttcttcagag agtccctccg ggctcggtag    1500
cggcctgacg tggtgaggtc ggactccgac atggagggca tcagcagccc gtctctccag    1560
ggccgctggg cctctgcggt cgtgcggacg gggctgctgt ccatcatcct cttctccgcg    1620
tctgggacgt gggccttggg ctccaggatg tgcaggggcc cggcgagcag gacgcgaggg    1680
cagccaggtg ggtcctgggc caggccgggc cgaggctcgc gcgcacgtgc aggggggcgcc    1740
cgggccccgc tctcctcctc gaagtcctcg tcctcctcct cctcgctgct gtggattagc    1800
atggtggcgt ccgacaggga cttcttatgg ccgtacctca agccctccgc ctcctccggc    1860
ccttctcgct gtgtcctctc ggtgaaaacg ctggggctgg gagcccaccg agacggctcg    1920
cggcgcccac ctctgccgcc gacgcggata gggtgcgctc cttgagccgc aggccctcca    1980
ggccgtggct gagcccggcc acctcgatgc tgttccgttt gtgcagctgc gcgtggcgcg    2040
cggcggtgag gggctcgctg acctcctgca gcgagtgcgc cacgggcagg ctgtcctcct    2100
ggaacgtttg caccgagtgg tgcacgcgcc gcgtgatgag gtcggggttg ctgctgctga    2160
tgtaaaggtg gcgggacagg tctggcgtgc tgttggcggg cctggggggc gggtagggtg    2220
ggggtggccg gtacacctgc gtccgcatga tgttgggaga cgggtagtcc tgcgcctgca    2280
gctgcgcatt ggtcagctcc ggcacgctga ccgcgcccac cacgggccgc cgctcggcag    2340
ggtagggta gggagacggg ctgtggaagc tgtagctcag gctgaacggg cagtgtgcgg    2400
ccgctggcga ggggagctgt gcgtgctcgc ggatctcggg ctggctgtag accagcgccg    2460
cgggcctgct gtaggcgtac gagctgccga tgttgaggtt tcgcagcgag tggctctgcc    2520
gttccgcatg caccagcccc ctgttgagct gcttcatcac agtctcatag tctggggtgg    2580
ggcggtagga cgggggtatc acggcgctgt gccgatggga cgggaggtag tcaggcctca    2640
tgacgtcact cccggtgatg ctagggttgg acgacatcgg cgagggctgc aagtagggct    2700
gaggattatt taaggagttg gtgctgtgtg cactgtagac actggcattt acggatccga    2760
ccgttgaagt caatctgggc tctattcaag cttgtctgaa attgaccata gtatcccttc    2820
ctggttgggc acaaagaggt tatcttggga agaagcatat ggttctgtat aatgtccatt    2880
atagtgcaac tggcggtggg ggaggcatca cgtagggctg gggtttaggc agagacatcc    2940
ttgaagaaga cctcctcctg attgggttca ctgtgacagt ctgagtttgc aggttacact    3000
ggtttagtct gtaaaacttg tgtcgcgcaa cacagagtct ccaaatgtat tttgctgttt    3060
ccatgtcttc agtttgaaat tgaatggtct cctctttatt tgccagctct aatgcaaaaa    3120
aggacttgtt gtgggacatg ttggcaatgt catgccacct aaataccaca ggatgccttc    3180
cattcttgtg tttcacaaag ataccttcaa gacacgctcc aatggatatg tcacttcctt    3240
```

```
ggctatcctt agcagggtag ctctcttctc catagccatc cattctctct acctcctgca    3300
tgtacagcat ttcagcatca ggagctgtga gccctctgta tttctgatgt agtaaggcca    3360
cttttttgggt tgcttcttcc aatacttttt catcttgtaa ccatcccaca ggaaacaagg    3420
caaatttctg aagaaagtcc tgggattcat actgatcaaa gtcaccaaaa atcgcttgaa    3480
cagctaagcc tgctaggtga attggctgtt ccaaggtaca agggatacct tcttcccaga    3540
tatccttcct cagttgcaga taatactggt acccggtaat cctctgctgg aagcgaggaa    3600
cctgaggcgc ttaaaccccc attccaaaat agacggtagg ttccaaggcg ttttttttc     3658
```

```
        <210> 3099
        <211> 1820
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1810)...(1438)
        <223> similar to gi4883636 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 3099
ttttttttt ttaataaata gtttattcat ccagcagttt cagccctgat actgaagcct     60
gttgcggtgt ttcttatttt tctggctgga gcctgattat gagaacatgg cctcaccacg    120
gggccagcgc tcagattcct gccctgccga tcatccagac atcagaggaa atgagagtat    180
tgctcaaatg agggagactg gagctttatt aaggaaacaa aaaataccag taagactaga    240
gaggggtggt taatgtttct ggaggcagct gtggaatttc ctgtttgctc cccctctcct    300
gcctgccgca gatgaggaca cacggggaag actcgctgga gaggcttctc gcacttaata    360
aggccccccg tcggggtgct tctgggagcc tgcctcccag gggagcaggc ttgaggagct    420
ggcgggaggg ccggtgggcc ggcggcgcgg aacgctgctc ccttgtggcc ggcagtgggc    480
agcctgcagc cactgcgcct ctcccgccgc caagagccgc ggccggggta acagaaacgc    540
cggctgcgct gaagttcttg ttaaacagcc ccgcgtcggg gctgtggtca cagtaaagca    600
aggcgatctt cgcacacagc aagtgcgagg ctctgggccc tgacgcaggg ctcccaagct    660
cccggaatcg gcgttctggc tgcaggcctg gtctagagtc gcagcttctg tgagaagcaa    720
cactgaggcg ggcccgcccg ccctgggggct gcccgaccct cctctctgct ctcagcccca    780
gtccctactt cgggatcctc ccaggaggct gtgccggctg ctcactcctc ctgacctgag    840
ggaccgtgtg tctgggcctg gtgtttctag acggtccccc ctacagtcac ttgttctaat    900
ttctagcacc ttccctcttc aggatagagg cccagccagc cagagcacag gctttctccc    960
ttcaccctgg agctctcagg taacaacccc ctgaaggcac atggaccaag ctgctcccca   1020
tcccgccacc cgaaacacca tccttgcccc acctcccagg tgacagactc cctggcgtgg   1080
ccatgcccca gcccaccagc cccacgcttg tcagctgggc ctgacagctg ctgctcttgt   1140
tttctattca tgaaaactca acccttctcc ccgtttctgc cagcacaaca gggcagagtc   1200
tgggctatca ccctggcttc tcccccctccc tttaaaggaa gcccacattt tcctgcgagc   1260
cgaactcctc tgaagagtat ggcagacctt tggaatcgtg tcaggacgag actgaaagtc   1320
aaggcaagtg tgaattcagc accgcaggcc tggtgaccct cctgtgcctc tggagtgggc   1380
tgtcctggga caggctgacc aggaacaagt ccccgcccgg ggcttatcgc tctgagtcag   1440
agaaggaaga gggcttagtc catctccaca ccagcatgtc ctctcctgca acgcggtggg   1500
actccgtctg gatccgggat tcgttggagg ccaggaactc cacagctcgg tcccagacac   1560
gcttcatgcg cctccggctc tgtggaggga tcaagctgtc gcgcacgtgc aggatgccta   1620
catatggata gcgctccatg tcctgctccc agtccacgta atggtcctgg accacgtcta   1680
taatcttctt caccatctca tacatggctt gttcctcctc ttctaacttt cgccaccgat   1740
attttaggag aattaggagc ccccacaaaa aagccaagca ccagaagaag atgagctcgt   1800
```

```
        <210> 3100
        <211> 635
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (110)...(596)
        <223> similar to gi2980817 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3100
tcagaaatta catctatatt aaagtttcaa aagctaataa tatattttta catcttcagg      60
tcaagttata gtaatttatt aaagaaaata aaattaattt cctttgctga tcaggagagc     120
tgatctgcag ttgtgcgctt tgtccagcaa gtacatgaga aagatgtatt gatggaccaa     180
atcattaaaa acaaaatcca caaggaagaa gaaagaagga gaagaagaaa gaaaagacga     240
agaaggagag gaggaagaag aagacgaagg aagaagaaga aaaggagaag aagaacgaag     300
gagaaggaag gaggaggaga aggagaagaa gacgaaggaa ggagaaggaa gaagaaagta     360
agaagaagga gaagacggtg acgaaggaag aagaaggaga aggaagaagg agaagaacta     420
agaagaagaa aggaggagga gaagaaagaa ctaaggagaa gaagaagaag gaggaagaag     480
aaaaggaaag aggaagaaga aagaagaagg aggaagaact aagaagaaga aggagaagga     540
agaaggaaga aagaaaaaga acgaaggagg aggagaggaa ggagaaggga gaagaaaaag     600
aaggagaaga agaataagga acaagaaaaa aaaaa                               635
```

```
        <210> 3101
        <211> 745
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(473)
        <223> similar to gi487785 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3101
tgggacaatg tggaaaagcc ttcatttctt ccagtaaatt tcgaatgcat gagagaactc      60
acacgggaga gaaaccctat cgatgtaaac aatgtgggaa agccttcaga ttttcaagtt     120
ctgttcgaat tcatgaaagg tctcacactg gagagaaacc ttatgaatgc aaacaatgtg     180
gaaaagcctt catttcttcc agtcactttc gactgcatga aaggactcat atgggagaga     240
aagtctaaga atataagcaa cattctgaag ccttcggttg ttccagctcc ttctgaatac     300
```

```
acaaaagagt tcatactgga cagaagctgt gtgaatacaa acattgttct aaagccctta    360
attgttccag tttcttttga gcacgaaaga attcccactg gtgagaaaca gtatgaatgt    420
aaacattgtg attaagcctt cagttgacct aattcatttc aaagacagga ctcgtgctgc    480
agtgaaatct ggtttggttt ttgctttttg gttttttaaa aaaggccaag cttgttggct    540
catgcctata gtcccagcac tttgggaggc caaggtgcaa ggcgggcaga tcatttgagg    600
tcagaaattc gagaccagcg tggtcaacat ggtgtaaccc catctctact aaaaattacc    660
aaaaaatgaa ccaggcatgg tagtgcatgc ctctaatccc agctactcag gaggctaagg    720
caggagaatc acttgaacct ggagg                                          745
```


        <210> 3102
        <211> 727
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (79)...(601)
        <223> similar to gi5732634 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 3102
```
cagccctggt ggatgctggg aatgggaggt gacattctcc agggacaggt cctggaaggg     60
gtggggaaga ggtaggttcc agccccgcag aaccctggaa tccctcctgt gcctgaggcc    120
ctgcccccca gcatggacta atggtgtccc tacctctccc tcagggcagc cctgtggctg    180
ggaccctggg aacagcctcc catcccaccc aacatgccca agtgtggggg aatgttctac    240
agcagtgtag cctccagccc ttctctccag gaggctttga gagcccaact tactcccctg    300
cagagcagga aggtggtagg tcaagtgtgg ccaccattgg ggagacgaga aagaagtggg    360
gccccaccag attgcacaat gggaacctca gctggcccct gaacagagga ctcagttgtc    420
tccaccctac accgctattc cctggagctc agccaggcgc agccttggaa ggagaaaggg    480
ctggggttac ctggcttgtc ctcctccagg aaagccccct tcctcctctg ccccagctcc    540
cagcctggcc tcctccaggc aggccctact cctctgcccc agctccggct ttccccatga    600
ggtttgtccc aggcatgaag aaagcatcca gagtgccaat gagtgggcct aggccagagg    660
cccctcagtc cccaagggta ctgtttggt ggcctttcag agggtcaagg aagccctgct    720
tggggta                                                             727
```


        <210> 3103
        <211> 530
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (13)...(323)
        <223> similar to gi1049301 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 3103

```
tttttttttt ttgagtgtgg ttaatccttt accaatagct tttctgttac aattcacagg       60
agaatacata atggagagaa atcctatgag tgcagtgatt gtggaaaatc ctttaatgtt      120
ctctcatccg ttaagaaaca catgagaact cacactggaa aaaaacccta tgaatgtaat      180
tattgcggga aatccttcac aagtaactcc tacctttctg tgcatacgag aatgcataat      240
aggcaaatgt gaattcaata actgtgggaa aagcattcat tgatctttca tgcctcagat      300
aacatgagca aactctaaca agatgtatga atcacctgct actgtgtaac aaaattacccc     360
ccaaaatttt gtggcttcaa acaaaaacac ttgttatctc aaaatttttg taggtcagga      420
attcagaaac aacatagctc tatagttctt caggatatct caagaggtta cagtccagat      480
gtcagcagaa ctgtaatcat ccagaattgt tactggtgaa gggaccactt                530
```

<210> 3104
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(525)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (85)...(238)
<223> similar to gi2463531 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3104

```
ccctgtattg tcacctgact ccaaaaaaat tattttgtgg cctatgggtc ttttggggtt       60
tgtctgctag cataggactg cttcctgttc cctctgagtt tgttgacctt tgctcaggga      120
cacttcagga gctagtttct aattgttttc tttcagtggt aggagtgaag gtggcaggaa      180
ttcccgggtc acccctgcag ctgccaacta ccgcagcaga actgcaaagg taaggtgggc      240
tccagcccat gatgctcagt gggggactca gacatggtgg ggcttgtgtg gctcctgaag      300
ttgtagaagt tgttgggacc aggctggttg tggttcaaag attgttcctt tggcttttga      360
gaaggaggtt tctaaggaag cgggacattt tcggggatcc aggggaggag taatgctttt      420
tcactttta tgtaaagctt cgtttgtgtt gtgttgttca ccaggcaaag ccttccaagc      480
aacagggagc tggggatgca naaaaggaag aggaggagta atgg                       524
```

<210> 3105
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (6)...(419)
<223> similar to gi285987 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


        <400> 3105
aataaagaaa gaaacagaag ctggccgagg agtgagttga gctttccaag ttagctgacc      60
ttaaagatgc tgaagctgtc cagaaattct tcctggaaga gatatagctt tggtgaagag     120
atcctagcta aaggtgtaga ccacctgaca aatccaagtg ctgtgtgtgg acagccacag     180
tggttactgc aagtgttaca acaaactctt ccactaccag tgatccagat gcttctgaca     240
aagcccctac cagttaatca gagacttgta agtgctggcg cttggccaaa gacgatgtgg     300
aatgagaaac aaatgtcaac ataataaaat ctcagttaaa atacttgaaa aattcttaac     360
ttggtagttg agcagaaggg caaatatgct tgttatgaac tattctacat tgaaatcta      419


        <210> 3106
        <211> 996
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(997)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (23)...(435)
        <223> similar to gi1086586 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters


        <400> 3106
gcgtgtcaac tctgaaaagg ccaagcttca ttaccttcgt tcttttgaca aggggccatt      60
tgctaccttt aagacgccgc atgatcgaac ttgagagtgg acaggactta acttcagcac     120
tgatgggacg ctcatcctta tttacaccaa cggcagcttc attcgcctga ttgatgcatt     180
caaaggagtg gcgatgcaca catttggggg ctatgccaac agcaaagctg acacacatgg     240
aggcttcatt tactccagac tctcagttta ttatgatagg atcagacgat ggcaagatcc     300
atgtctggaa tggagagagc ggtataaaag tagctgtgtt ggatggtaaa cacacaggcc     360
cgattacctg tttgcaattc aaccccaagt tcatgacttt tgccagtgcg tgttccaaca     420
tggccttttg gttgcccacc attgatgact gaccctgttg ctgcttggct atttctgtat     480
agtgagggcg gccagcagga agaaactcag agggaactga gataatagtg ggattggatc     540
atttgactgg gctggagaac atccttttac atggccttcc catggatgtg ctgtacatct     600
gctcaaaaga aaataattac tttgatgagc gtcttcaaaa ggactcttgg tgcaacagac     660
tcaattggaa ctcagctttt ctaactgtca ctgcaccaag ctctgctgga ggagtgacca     720
gactcacgat ttggtatagt ggggctctca agcatcttca atttgaatgt acatgctgct     780
gaggagccgg tgaagtcatc agttccgcac atcccttcta ccctccaact gcatgggaag     840
ccaaagtcct ggttttgaaa tgcttgggca gctcagccgc ttgccctcac cctgcatgtc     900
```

                            1897

```
ttgttactgg gtctccctgt gtacttgtgg cattatccac aaccatcatg tttcttaggt    960
gccaaacatt tacagaaaca ttntcatata tcttgg                             996




     <210> 3107
     <211> 2228
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (215)...(617)
     <223> similar to gi3877422 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters




     <400> 3107
     tcagctgcta gtaacagaca tcccaggcaa caaagaccat cacagactaa gccagcacat    60
     catgaccagc agtgcctggc cgaaagggtc ccgaagccct atggttttcc ggtctctgat   120
     gcagtgatag acatccaggg cacccaccct ctgcgccttg gaaagcctgc agcaccgtcg   180
     ctaagagcaa gtggtctggc tgcagccacg cccctgctgc agagcgagcc cagcctcacc   240
     agcgacgagc tgcacctgcc cgggaagcct ggcctgggca cgccctgcgc cagcctcaca   300
     ctgggccccg ccacaccgcc cgcctccatg cccaacctcg ccgaggccac gctcgcggac   360
     gtgatgcccc ggaaagatga gcacatgggc caccagttcc tgacgcccga tgaggcgccc   420
     tcgcccccca ggctactggc ggcgggcagc ccctggcgc acagccgcac catgcacgtg    480
     ctgggcctgg ccagccagga ctccctgcat gaggactctg tgcgcggcct ggtgaagctc   540
     agctccgtgt gacccacatg gccccaggcc gggggacacc agaggctcct ccatgggcag   600
     caggagtgag cggaggggtg tgtcccacag cgactttccc agccaatgcc acggtggaga   660
     tgacagcccc aggtctgggg tacagagacc acttaggatg gcacagggtg gctggccccg   720
     gatgctgaga gcttggtttc atttgaattt tcttccccaa cctgagtgct ttgacaacaa   780
     tggaaataga gaagtggctg ctttcttttg gtgaccctcc aggggtggaa tcggagtgtg   840
     tctgcccgcc cttgtgacag acacacggaa ggcttctgac gcttgtggcc agactgcaat   900
     tgcacttatg tgttatgcta ctaatatttg aaacagacct gccattccat ttgttaatta   960
     aaaaaaaaaa aaatcctaaa gggaaaaaac cgaccaggtg tggatctgca tgccacgctg  1020
     ccgtctgtgt tacagtggtg ttgcctaatt tcccaaggaa gtgcctgctt tcttttttctt  1080
     tttttaattt tgtgaatttt caagtgctgt tttgttggaa gacagtgcaa cgatactgag  1140
     acttaatgga cagtgtcatc actcagctta ctgggctgag gcgtctgtgg agaggtggca  1200
     ccggggctgc agagggcggc tggggttccg tcgtgtcggg tgtcacttca ccttctgttt  1260
     ggccgctcga tgaggtctcg tgttgagata ttgtgtgcca caaccccac agtcttcacc  1320
     tccgtgtgtg atgaaacttc ccgtggacag ccaataaaat gacgtcctct gttattttgg  1380
     atctgcgtac ggttatcctt aatagcataa atgaaaacaa agtcatccag atggggagag  1440
     tttttcttga aatgtcccta gcgaggaatg gtccccagac aaccaaaagt caaatctttg  1500
     aactgggaga tatttataga ataatttctt agataagagg caagttttcc atcatttatt  1560
     ttctttaatt atctcttttt gacaccatct tagtggaatt tgctctacgt ttgcagtttg  1620
     ccgtgcaaca gttgatcgga agtagggaaa agggagggga cgctcaggga gaaggttctg  1680
     tagggcgtct tctgggcttc cttctgtgta aacgtgtcac tcaatcccag aagtgcaact  1740
     tgaggtccta gtaaaggtat cagaaaatga ggaggagaaa tcggcttaga gtctaagctg  1800
     agatcatgta ggtcatcatc cttcctagac actgatcaga atgaaattaa gaaaatgacc  1860
     actttgttca ctttcattgg tcacctagaa gggaacgaac tggctctgga cttagggagt  1920
     gtgtcactat ggggcagcc acaggggaca cagcaactcc tctcctggct tctttccaga  1980
     ccataaatct aacagctaaa gctactcaag ttcaaagcca tggccttgct ccttataacc  2040
     atatgaaaga caagacacat tgaccaatga tacaagtaac ccaagtgatt tgcatttatg  2100
```

1898

```
gaaaaaggct attactcctg agaaagagtt gccattttat attaaagaaa agaagatagg    2160
aaaaagaaaa gcacacaagt tttatttgga atgaaggcaa ttcacaggtc acaaaataat    2220
tcatgctg                                                             2228




        <210> 3108
        <211> 2631
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(2632)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (2632)...(2)
        <223> similar to gi338675 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 3108
gcggccgccg ccacgtacat gaagtgcagc tgcgccggcg ggggcggctc cacggtctca      60
ctctgcacgg cctcgatctt gtaggggatg ttgaggctgc ccagcgaggc gagcgctccc     120
aggaatgcgg ccacgtcggt ggcactctgg aagcactgcg aggaggcctg cacacactgc     180
cggttgtcaa tctccaggta gacgatggag ccgcggacgt ccatggggtc cagctccctc     240
cgccgccgcc caccctcgct gccaccaggg agcagcgagg ccttcacctg gcccagcagg     300
gcgtcaggtg cggcccagcc ctcggcggca cgcttgatgg ggtgcttgcg cagctcctcc     360
tcgcggccgt agtaagggga agatcatctg ctggccgctg agcgtcacgc tttgaagacc     420
acgttggtgt tgcagcacgc gggcttgaac tcccgcagga aagtggaaag gagctgttgc     480
gcagctgctc cggcggcatc agcaccacca ctcaccgcgt gccggccgcn cagcctctcg     540
ggtacatgct ccgcacagtc cagcccgtcc cactcgcact ccgcgctgtt gcagccctgg     600
tcgcagtgcc cgtcgctgaa gtggtccttg cagtactggt cgtacagggg gttgcactgg     660
ccttccgcac gctggcagtc aaagccgtcg aagaggcagc cggctgagtt gcactggctg     720
tcacagtggc cgtcactgaa gtacttccag cactgcagag actgcgtgca gttcttccag     780
gggtcattga agttgaggga gcagtcaccg ccgtcccagc cgcacgcgtg gttgttgcac     840
tgcaggctgc agaccttgtt gccccgcgtcc tcctggcact cgggcagctc gcacgcctcc     900
tcgatcagcg gcggggggat gtcgcgcccg gccccacccc cgaagctgta gtccaggatg     960
tggcacaaga gcccgttgaa tttggcgggg cacaggcaac ggtagaaggg gctctcggat    1020
gtgggctcac aggtcccctg gttgtagcag gggttgccgc ccaggcaggg gctgctggcc    1080
gggaactggc attcggggcc cgtgaagggg cccaggcaca ggcaggtggg gctgcgcggg    1140
ccggagatgc atgtgccgcc gttgaggcag cgcaggctgc cgcaggtacg agcgtcattc    1200
tcacacgtgg cgccctcgaa gcccgcaggg cacttgcaga tgaaacccgc gggcggtgtt    1260
ggaggccacg gcgcaggtgc ccccattctt gcagggcttg cctttgcagc cattgatgac    1320
ggactcgcag cggcgcccgg tgtgaccagc acggcactcg cagtggaagt cattgacgcg    1380
ctgcacgcag ttctgggtgc cacgggcgtc gcagggattg acaggcact cgttgacatc     1440
cccctcacag cgctcaccca cgaagcccgg cgggcaggtg cagctgtagc cgcccacctg    1500
gtccacgcag gtgccgttgt aaagcactt ggggctccgg gacacggggt caacggggggg    1560
attgcagtcg tccacgttga tctcacagtg cacaccctga gtgccccgtg ggcaggagca    1620
cttgtaggtg ttggggaggt cgaggcaggt gcccccgttc tggcaggggt gggagaggca    1680
ctcgtcgatc tcctcagagc agttcacccc gtggtagccg gccacgcact gcaggagta     1740
```

```
gccgcccagg tagtccgtgc aggtggcccc gttctggcag gggctgggtg agcactcgtc    1800
caccaggtcc tcacagtagc tgcctgtgta gcccgcctgg cagcggcagt ggtgcgtgtt    1860
gcccgcgtcc acacagagcc ctccatgctg gcacaggcgg gcaacgtcaa caccttgtcg    1920
ctgcgcagcc acctcacagg acacgctggg cacgtcgcag taaaggccgg tccagccgct    1980
ggggcactcg cagcggtact gggtgtgggt ctgccagcat ttgccgccgt tcttgcaggg    2040
cgaggagtca caccagtgca caaggttctg gcagttgggg ccagtgtagc cctgggggca    2100
ggtgcacctg tggagaccgc gaccgtcctg acaggtgccg cctagcaggc agggtcgtga    2160
gtcgcactca ttgactacgt gctggcagta gctgcccgtg aagccgggtg gacacaggca    2220
ggtgaacgag ttgatgccgt ccacgcaggt gccaccgttg aagcaggagc tctctgtgca    2280
gtcaggcgtg ttgttctcac agtggatccc gctgaagcct gcggggcagg tgcacgtgta    2340
gctgtccacg cagtccgtgc agttggcccc gttgcggcag gggtcactgg cacactcgtt    2400
gatgtcctcc tcacagaaag tgccccggaa gccgggcagg cagtcgcaga aggccgtgtt    2460
gatgccgtct gtgcaggagc ccccgttgtg acacgggttg ggccggcagt cgtcgatgtc    2520
ggtctcgcag ttgcgcccac tgtagccggc ctggcagtgg cagcggtagc cgccgtgggt    2580
gttctggcag gatgcgccgt gccggcacgg gctcagaacg cactcgttga t            2631
```

<400> 3109
```
ctgagtctgg gccagaaagc ccaagcactt gcagggaccc tccccaaacc cagcctctgg     60
gctgagccag gctctgtgat tacctgggag agccccatga ccctctggtg ccaggggacc    120
ctggataccc agggttacta tctcaccaag gaaggaaacc ccatgacctg gtaccaacag    180
agcccaccag agcccaggaa caagaccaac ttcttcatcc catccatgag agagcaccat    240
gcagggagat accactgtca ctatctcagc cctgcaggct ggtcagagcg cagcgagccc    300
ctggagctgg tggtgacagg cgtgtctagg aagccctccc tcctgaccct gcagggccct    360
gtcgtggccc ctggggagaa tctgaccctc cagtgtggct ctgatgtcgg ctatgacaaa    420
ttcactctgt acaaggaggg gggacatgac ctcgtccagg gctctggccg gcagccccag    480
gctgggctct cccaggccaa cttcaccctg ggcctgtga gggtctccca cggggggccag    540
tacagatgct acggtgcaca caacctctcc tccgagtggt cggcccccag tgaccccctg    600
agcatcctga tcgcaggaca gatccgtggc agaccctccc tctcggtgca gccgggcccc    660
acggtggcct caggagagaa cgtgaccctg ctgtgtcagt cacgggagca gttggacact    720
ttccttctga ccaaggaggg ggcagcccat cacccactgc gtctgagatc agagcaccaa    780
gctcagcagc accaggctga attccccatg agtcctgtga cctcagccca cgcggggacc    840
tacaggtgct acagctcacg cagattcttc ccctacctgc tgtctcaccc cagggacccc    900
ctggagctcg tggtctcagg agcagctgag accctcagcc catcgcaaaa caagacagac    960
tccaagactg gtgtgtaagg agatgctctc ggttatgggg ctggcacaga gggtcaggtc   1020
ctgtgaaggg gaggtgggtg ccctgggtgg acatccaggg gtcccgggtg atgttgatct   1080
gccctgacct ctgagacctc ttggtccacc atccccagcc tcacacccccc aggattacac   1140
agtggagaat ctcatccgcg tggctgtggc tggcttggtc ctggtggtcc tcgggattct   1200
gctgctttag gattggcaca gctagagaag tccccaca                           1238
```

<210> 3110
<211> 1777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1778)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1433)...(717)
<223> similar to gi3135493 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3110
```
tttttttttt ttaacatatt accacatcca acttctttat tcttgagaaa acaaaaaagt    60
ccaaaatcaa aggaaagcac ccgttttaaa ccctcatatc tttctcaggg ctcactgcag   120
tctggccata tctcaagcag gtctgtccaa tggcttggaa catagacttt tgcagtgaaa   180
ctttaaaaac attacttgaa ttaggattac acaaaaaaaa ctaaattcta agtgagcaca   240
actatcgctg agaccctgaa atttcaggaa ataaacatgg ttcaaaactc aaactgttca   300
tcaaaataat tacgcaggtc agccaccact gcagaaccat cactgctcag aggaattgag   360
tcagcaatga ctgatctcat catctcttca ttagcacata agcggttcaa cttgggatac   420
gcaaggagtc tctgcagagg tacgaaaaat ttatctccaa cacagaaggg tgtgggagag   480
ttctctatct tggccttctc aacctctgtg aagactggtc caaagcatgg gacaggggcc   540
tttgagccac caatgtcttt gggcttatca ccccgttccc cagcctgttc tttccgcctt   600
ggcaggtggc tcactcttaa gctttccact tgttgggaca cctcattaac caacacaagt   660
ttaaagaacc tttcctgctg taagcttggg tatgaggtgg taaaaacagc tttataaaca   720
tgctgatcat gctgctctga aagacatgat tctgttgcct ttcctccatt tttccggaag   780
attcctatct gggtacagta tccaacattc tcagctccag ctggtggttc cccgacacca   840
gtaaactcca cagagtaatc atagcgattt gccacatata aagcccaggt ctgaaactcc   900
attctggtcc actcaaattt atgatctgaa tctcttaagg tcactgatgg aaacagggga   960
ttgaattcag agtttggtgt gctgatgaca atcatggatg gagacaggta cccaaatacc  1020
acttcaggac aatctggcca gatcacctga actccaaatg ttctattaat tcaatacacg  1080
ttatcaagtc aaatccaagc aaacgagagt ctctctccgc aacggagcca tgatacaatg  1140
tgatggtcaa attcagatcc cgaggtttca gaaatcccc caggaaagga gctaacgaat  1200
cccctctcca tcgtaattta tcctcattaa tatctactcc aacaagcaat tcaatgcatg  1260
gattgacttt tagcagcctt aagagtgaag tatcaccaca tcccaggtct gcaaccttct  1320
taggctcatg ttgatccact aaattttaa cgaactggta ccgctgtctg tatagtggag  1380
gtttaaactg aattgccgtc tccctgggaa cttcttcaaa attaccgtca accacactac  1440
tgcactgtag attattttct tccattttgt ttcgaagttt tgttgaaaca aaaatgaaga  1500
tttatccttc aagctctatt tgagagaatc agcactgact cagctcgtgc gctctcacgg  1560
tcggccttgg gccccgggag cctcatggtg cgccgagctc cgtccctcta ggctctcagt  1620
tccaaggcgt cggttttgcg tctcgtaacg gccgctgtgg cgcatgccca gaagccattt  1680
tcaaggtcct cttccgaacc ttggcgagga cccctcgtc caagctggcg tntgtggttt  1740
cagatcttca gttatcaggc nggggtctc taaaccc                           1777
```

1901

<210> 3111
<211> 1802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1803)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (12)...(676)
<223> similar to gi296669 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3111
cccgccggct cccaacagct cccaccagct tgtcaggaca acaccgctct ctgcggctgg   60
caagcaagcc tgagcgtgaa gtgccccttg gagcagggca acaggagtcc atggaggcag   120
acacagacct agaggcaggc ctggaagaag aggcggtggg gggcctgggg cctggagcct   180
gggcctgcct ccccgggcag ggtcttcgct atctggaaca cctgtgcctg gtgctggagc   240
agatggcaag gctccagcag ctctacctgc agctgcggat ccagaggccc ccaggggatc   300
ccggcgagga ggagtcgacc cgagcccctt taccgtcccc gttacacacc ccaggcaatc   360
gggggcaggg gccatgggag ctgctaagcc agacagagca cacaggagca aaggctgctt   420
cacccccaaa ggtggaggtg cccagtgcca accctcccag gctgccagaa accccagtgg   480
agccaacgta ccacttgcca tcctcccagg gacacaagcg ggatatctcc cactgggaca   540
aggtcaaggt cctgctcaac cggatctgcc ggagaagcca ccaccaccct gagccccctg   600
cccctcctga tggctctgac cccaggatcg agtccaggga cctccctgaa aggcctcagt   660
gccgccccca ccggaagacc tttatgccat cattagtggt taagaagcaa cgagcaaaaa   720
acctttctgt aggctgagac ctctcggtgc acctggtgac cctgggtgga ggggacttgc   780
tgtgaagtct tcctcgccct ctgccctctt gctgcttctc cacattgcca ggaaaagctg   840
ctgacgcctg ccctcctctc ttgagtcgag ggctgaatct ttctcctcta agcagtctgg   900
tcaggaacct tggtttcttg agaggccccc aagatgccgc agctccaggg ctcttcctcc   960
tcaccagaaa tccctgggct tccacaatgt gaactcactc attgtcaggt gtccgtggag   1020
tgttttggc atggtgacct gtctgggccc agcatgttgc agatgtgtat ttatgcgcaa   1080
tggtatgcat atctctgtgt gactgtcagt gttgcaagct ggctggatcc aaccatctct   1140
tctgaaataa tgcatccaaa gggttgatat tctgggggag gtcactgcag aaggatggaa   1200
ctgaccttta ttccccagtg ggcagttact gagctttcct cctcagagcc atgctggcag   1260
ccctgggaca gagaacggtg tggctttggc tgcctctgca tggaatcttg ccccggactc   1320
ctgaagactg cacaaggaat gaggaagatc agggacaacc tgggaactga ataactttca   1380
aagccagtgc tcagcttctc tgctccgtac tagcgtttac aggtcttaat tcaaaccaga   1440
tgcctgtact agtttttaga ccccaagtca acctttctga gccacagctt cccgctggga   1500
ataatgatgc ctgccctatc tacctcacag acttgttatg aggataaagt gagattaaac   1560
tgcctcaaag tgcaaaaaaa aaaagggggg ggcgccttta aaaagaacaa attttaaacc   1620
ccgggtttgg aaaattaaat ttttttttaa gggggcccca aaattaatta cagggggggg   1680
gttttaaaaa acgggggagg ggaaaaacct ggggtttccc aaatttatag cgctggggag   1740
aaaanccttt gctggttggt gggttttgag ggccccccc cctttaacac ccccaccggt   1800
aa   1802

```
<210> 3112
<211> 1990
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (153)...(515)
<223> similar to gi3108185 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 3112
ggaattcaca atttagccta taacaagtgg gaacaaaact ccacctcttg atcttgagga      60
gctgcagtca gattgaaaag gagtatggac agtggggggaa ataacggaga ccattattgc    120
aaaaaaaacc acactgactg atcctccaca cctggactag tttgggccga ctgatcctcc     180
acatctggac tggtttgggc aaaggcaaca cccttaggca cctcctctca ccagctgtac     240
cttctccctc cttcccctgc aagccttttc ctggagttta ttggtgatcc caagcctcca     300
gcctggaagg gctacctcct cgccgtgctg atgttcctct cggcctgcct gcaaacgctg     360
tttgagcagc agaacatgta caggctcaag gtgctgtaga tgaggctgcg gtcggccatc     420
actggcctgg tgtacagaaa ggcatccaca gcatatctga agaaatattc agaagttaac     480
taatctcaga tgatttcagc aggagtaaag aagagaaaca gactcagaaa tgccattaca     540
acagttaatt atgtcaaatt tatcaccctg attgatcacg cagcattaac ctcaagaacg     600
ccaagccaag tttttttgac aaatgtgagc caaggtttcc gaaaaactag cagatatgac     660
tgtgacttac aaaatggaaa aagtaaacga gaaacacaat ttgatatgat ttaataaaag     720
atttgtttcc accacttctc ctgggaacct cagcacattt tctttccact gacagttatt     780
atctctacct ttattgaaca aagacacccg gaacacagct gctgaggatc agtaaagaaa     840
atcattcttt tattaataag actgttatta gcaggaaaaa aaaatccatg tttgggagtt     900
tgcactgaag ttacaggcca tttttgaagaa atatggctga ctagtgccaa cattatttca     960
ggcaatttca tgatcaaatg tcttattagg ttgtttaaaa tttttataga gattgtaaat    1020
cagaactatt ttctatttgc cctaaatatt tagatgctac agggaaagca gatcaaaatta   1080
aagggtactg tgcacatttt tttactgggg aactcccggg gatattaaat catttcgcct    1140
gcagcatggg aattcttcag tacacatgct tgtggaaaca ttccacgctc cgccagcacg    1200
gctcattaaa gtgatgattt ggggttgcaa caacagtggc caagtacttc ctgtgttcaa    1260
ctggggacca tgtggcaaga ccccaaagct tcccccagag atcctatggg gaataaggtt    1320
tttggagccc accatattcc attatttcag ccctaaaatt aacacccatg gggaccagga    1380
atccagaaga ccagaggagc cagaccaaat gtgtgtaaga catgctggaa gggaaacctt    1440
ccttttttaga aaccagggtc aatatcctat taaactttaa gattgtgtat ctcttgcccc   1500
tggcagtttc ctgtatttga gttttaaccc tactgatata ccccatgcat gtgaataaag    1560
tatcttcctg catgtaacag gatatttaat gtaaccttga ttatagttgc aaatgctggg    1620
aaacgatcca aatgtctttc aatatggcac tgattaaata aattatggca cagtctcaca    1680
atgaaaaacg aaatgtagcc attaaacaga atgaaatggg tctagctaaa ttgaaatagg    1740
actacctcta agatatgttg ttaaaaagaa aaaaagaaa gtgcagagga acaagtatga    1800
taccattttg tattttttaa catatgcaag cgtgattgtg cccacacgag aatacctttg    1860
aaaataaact cagtatttgc ctcagtggat aaaaacaaga accagcctta ttttcactgt    1920
tatatctttt ggtgccactt tttgaacttt ttaccatatg tgcatatgta actttctaaa    1980
taaattttgt                                                          1990


      <210> 3113
      <211> 1481
```

1903

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1293)
<223> similar to gi1857145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3113
atggatgtta acagcagcgg ccacccggac ctctacgggc gcctctgctc tttcctcctg   60
ccggaggtgg ggggcaggct gcccgacctg agccccgacg gtggcgccga accggtcgcg   120
gtctccggga cgccgcatct gctgagcggg ggcccccgag gtgacggcca gcccggcgcc   180
cacctgggac gcaaccccgg gcaatgcctc cggccgcggg gagcaaatca agaaagggcc   240
gagaaagttg tgatcggctc tgtcctgacg ctcatctctc tgcgatcgcg ggcaactgcc   300
tggtggtatc tccgtgtgct tcgtcaagaa gctccgccag ccctccaact acctgatcgt   360
gtccatggcg ctggccaacc tctcggtggc catggcggtc atgcccttca tcagtgtcac   420
cgacctcatc gggggcaagt ggatctttgg acactttttc tgtaacgtct tctccatgaa   480
tgtcatgtgc tgcacggcct ggatcttgac cttgtacgtg atcagcatcg acaggtacct   540
tgggatcatg aagcctctca cgtaccctat gaggcagaag gggaaatgca tgacgaagat   600
gattctttct gtctgccttc tttccgcctt tgtcactttá cctaccattt ttggtcgggc   660
tcagaatgta aacgatgata aggtgtgctt ggtcagtcaa gactttggct acacgattta   720
ctccaccgca ttggcatcct aatccccatg tgcgtcatgc ttttcatgta ctaacagatt   780
tacaaggccg ccaggaaaag cgcggcctaa cacaggttac ctggcttccc tcgagtggag   840
ccagacagca gtagtcaccc tgaatggcac agtgaagttc caggaggtgg aagagtgtgc   900
aaaactttcg agactcctca agcatgaaag gaaaaaatat ctccatcttt aagcggaaac   960
agaaagcagc gactaccttg gggatcatcg tctgggcctc caccatgtgc tggccgccct   1020
ttttcctcct gacagccaga cccttctgtc tatggcactg cctgcagctg catcccactg   1080
tgggtggaga ggatatttcc atggctgggc tatgcaaact ctctcattaa cccttttatt   1140
tatgccttct tcaactggga cctgaggacc acctattgca gccggctcca gtgccagtac   1200
cagaatatca accagacact ctcagctgca ggcatgcatg aagccctgaa gcttgctgag   1260
aggccagaga gacctgagtt tgtcctacaa aactctgact actgtagaaa aaaaagtcat   1320
gattcatgac tgaaagaggg ataatggaga tgaaataaac aaggcaaaat agaggtggaa   1380
acagaagaaa gtcatttgcc aagactgcag aatggaatgc agcttctgtc ctttcttaag   1440
atggctaaaa cgtgacaaac agcatgacct gatgtacaac a   1481

<210> 3114
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(633)
<223> similar to gi5730196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3114

```
acgccaagct tggcacgagg agccttagag aacatcagaa agcccaccca ggggattaaa     60
tgtatgcata taaagaatac gaaaaaactc tgagctggaa atcaaacctc acaatacata    120
aatgaacaca caggagagaa ctgttaacat agtgagcact ggaatttcct ctacaatttc    180
agcctccacc aaatatcaaa gaatagaaga taaattgttg aaatctattt tatatgggca    240
ttctttcagc cagagcccag tcttctatgg atatacagaa ctcacacagc aaagaaaccc    300
tataaacata atgaatatgg aaaatactct tgcgaactca ctcctcagaa aactcacgct    360
gcagaaaagc tctgagaaag taataaaaat gtgaaaactt tgtgccaaca atcaaaactc    420
attcaccatc agagaaatca cacaatgaca aaagctagaa tataataagt gtgtgataaa    480
ctttaatgaa aaagtcagtc cagcaggaaa ttccattcaa gatagagacc tcatagtata    540
ttaaaacaaa caagaaatga agttaatgga tgtgggaaat tcttctgcca tgtcaaccct    600
cattttaacc tacacagagg taatccctat atgtcgtata ataactattg aaatgttcac    660
tagtaatcat tttcacttct ccctcatgcc acacctgggc cttaaatttc ttcaaccact    720
tctcttcatt cttaaacggg gtcatattgt taccctctag ctagtggaat atggggtcag    780
tgacaggtct taaatacatc agtcaaattc tcaatatttt cttctatccc tcattagaat    840
ggaatggagg aaaaccttgg gactcaggct ctgatgatgg aaagtacaag atggtaggaa    900
cccgggtcag agaaggatcc tgtggcatgg agttttctcc tccctgtaca cagttggact    960
tcttgcagtg aggaaataaa tgtgttccct gctgaacttc taaaggtttg ggtatacttg   1020
atactgacag aaactcaaca accctcacat aataaaactt aggagtatga tttttcagga   1080
catctgaact cagtgtatgt cagaaaagtc acataggaca aatctcggac agcatcctga   1140
atgaccatgg cttttatccc caaagtcttc ctcatcagac aggtaatatc ataagaaatc   1200
tgacatttta acaaatatag gaaattcttc acacacacag acacacactc acacatacac   1260
acccaaagtc tcattaaata tatgataatt taagttttga tggtgaaaaa gtttcaacaa   1320
attatcat                                                            1328
```

<210> 3115
<211> 3294
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(942)
<223> similar to gi4096591 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3115

```
agcaggagga ggaggttgat gccaaacgca aggagaagca ggaggaggag gttgattatg     60
agagtgagga agaggaggag agggagggcg aggagaacga cgatgaagac atgcaggagg    120
aacgaaatcc ccacagggaa ggtgctcgaa agacccaaga gcaagatgaa gaggtgggct    180
taggcactga ggaggacccg tcccttcccg ccctcctgac gcagccccgg aaacccaccc    240
acagccagga gccccagggg cccgaggcca tggagcgccg ggtccaggct gtgcgtgaga    300
tccacccgtt catagatgac taccagtacg acaccgagga gagcctgtgg tgccaggtga    360
cagtgaagct ccctctgatg aagatcaact ttgacatgag ctccctggta gtatctttgg    420
cccatggtgc cgtcatctat gcgaccaagg catcactcg gtgcctcctg aatgaaacaa    480
ccaacaataa gaacgagaag gagcttgtgc taaacacaga aggaatcaac ctcccagagc    540
tattcaagta tgcagaggtc ctggatctgc gccgcctcta ctccaacgac atccacgcca    600
tagccaacac gtatggcatt gaggccgcgc tgcgggtgat cgagaaggag atcaaggatg    660
tgtttgccgt gtatggcatc gcggtcgacc ctcgccatct ctccctggtt gctgattata    720
tgtgcttcga gggtgtttac aagccactga atcgctttgg gatccggtca aactcttccc    780
```
```

```
cgctacagca gatgacattt gaaaccagct tccagtttct gaagcaagcc accatgctgg    840
gatcccacga tgagctgagg tctccttctg cctgccttgt ggtcgggaag gtcgtcaggg    900
gcgggacagg cctgttcgag ctcaagcagc ctctgagata gcagctaccc cggcaccatc    960
tgcccagctc caaggaccct tggtgagggc gtggcccagc ctgccttctg catgagagga   1020
ccaggagact ggaatccagg gcagttccaa gtgacagtac agagcacagc agcgaccttg   1080
ggcctgaaag cagtgggcct ctgagctggg ccagcttcac ctggaaagtg acagagttgc   1140
tcatccttgc ccctccctgt ctctggattt ttatcaaggt ttaccaagtc ttctgagtcc   1200
ccctgagatg gctggggctt cacctgtgct gcaggaggcc tctgtggcat aacccctaag   1260
gagaagtcct gattcacgat tcactgagaa gaccaagggg aagccatgct ttgctgctgg   1320
ggaccccagg cacctccaga gtagggaagc ggggttcttt tgctgtgagt ggccagggac   1380
aacagacaag attcctgggg gctcccgatg agcaggaacg tggagcctgc tgcccaaggc   1440
ctgctccttc cggctgctcc agcccctggg ggcagagtcc acaaagagtc cccatcaaga   1500
cttcttccct gagtcaagta cagcgtagca tagtcctcca cccacccaac ctctctgcct   1560
ggccagggtc ctggccctgc cactgtgtgg cgaggtgtcc ttctagacca catcagcccc   1620
aaggctggga gcagtcgctc cagggccgca gcagttcact cccacacata gaacccaggt   1680
cactgctggg gcgattgaac aggttgcctg gcttttctct gctgtcagtt tggtgtggag   1740
gcctatgttc tgccccatac accccacagg ccctgcttat gggaaggaac acaggcctcc   1800
agcccagagg actgtgccgc cctgttcttg gccgtccacg tttcctctcc ctctagcacc   1860
agcaatacat ttccctggca tggacagaaa agacagagag gacttataca aaggttttgt   1920
aaaaccagag gctagcttct atctttgtct actgttattt cagctcaggg cgggtaatta   1980
acatcattgg aactagctat taggaaagaa aaaaaacttg gtttttttta caacaatttt   2040
ttcccttggt ttgcagtttc tgcatttgga tttgagaacc caggcggggg attttcttgg   2100
cacagtcagg tcttgggtcc ctcttcctgt gctttcttgt ctgaggcctt agggggaaga   2160
gctcagcctc tgcagcctcc tccacctctg cccctggcct gcctctgctg tgacctcctt   2220
ccagagctag ctgctggccc tgtggccagg agaagcagag gggagaagcc tttatgcaga   2280
agctgtgcta gccttggtct ggggtgggga ggctgctgct gtgaccttag gggtagggtt   2340
ggggatcaag ggaggctttg tcaagggaga gtgaccatgt tgctccctac atccatgcaa   2400
taggacccag cctgcacctc ctaggcctac actggggaaa gcctgacaga aatcagtacc   2460
tcctaacggg gtctgccagg ttcaccaagg catgggcaca gaggaatatg acagttttga   2520
ggcaggcagg aagggcccag cctgcagggt aagacattca ttctttgagt taaaggccat   2580
attcacttga tgatttctac acacactaga attgtgagag tgtccttgaa ggagatcaca   2640
aagtaacctg gtgactgtgg cacagggtcc gtggattcca tctctcccag gcactgaggg   2700
cgcagaggcg aaggagcaag ccctgcatat tggcagggct gtgaccatcg cacttagatc   2760
agacccccga cctgtgttgg gatgtgaggg atgccctcct gccccaccca tccacatggt   2820
tcctgggcag ctctgtttta ttcctgtgtc tttcctgatg gatgagtatt aagacagcat   2880
gtctggtttt taaacagaca tttgggagct tgcacatcct gatgagcagg gactcactgt   2940
ggtggcctta gggaattaca cgctcacttt ggtggttctc tatgctcgga agcctctgag   3000
agtggccttg gcagcttaag atggcagagg ctttggagtc ttcttaggac tgtaagtgcc   3060
cattgaggat gcatttgagt tttggaaagt aggcccaagt caaatctgat ggatggattc   3120
aagaacatgg actaatctgc gttgtcattt ttaatcaaaa tgtaatggag attgatcatc   3180
tggtgggggtt cacaaacttt tcatgagagc tgtgagttct tttttttgaga tgcactttttg   3240
cactttgtta cccaggctga gtgcagtggc gcaatctcgg cttccactgc aacc          3294
```

<210> 3116
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (763)...(2)
<223> similar to gi5917666 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

1906

<210> 3118
<211> 1253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (977)...(677)
<223> similar to gi1872200 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3118
ggaattcctc tgtcccgcca tacacagggt gggacggggc agggcgggca ttgagctttg   60
tgtcctgggg tcagggtgct tcccctgccg gcctcacccc accaagcgga tctcatggtg   120
ctcctctggc tgggcccacc cgcagtggta tccttctggg ggcccttatg ggagcctgcc   180
gggggtgcag atcctgccgg gggtgcagag cctgctgggg gtgcagatga tttctgggtc   240
ccaggaccat gaggggggctg ctctacacac agccggaaga tgctgcggac ccaaactggc   300
cctttccctc ccacaccacc ccaggaccaa tgggctggct ggaggccacc catgctaaaa   360
taggctcaag ggcctacttt agcttctggg caaaggtctt ggcctgggcc tgactctgtg   420
gccttcctga gctgcctccc cagtaggcct cagtgctggg ctacaggcct cctccattcc   480
ctccattcat gtgacccac ccctcccagc agaaactctc ttccgtagcc caggagcagc   540
tgttgagggt ttcacctgcc catgccccag cctaaggccg gcttccccag agcagacggg   600
ttgcactctc ctgcccctca ggcccactct gtcatccaac aagctcactg caactggccc   660
atcttaaaaa caacaccggc tggtcacgct ggctcacacc tgtaatccca gcgctgtggg   720
aggccggggc ggggggatca cttaaagtca ggagtttaag accagcctgg gcaacatggt   780
gaaacccgag ctccactaaa aacacaaaaa caaattaagg caccctgagt ggtggtgggt   840
gcctgtggtc ccagcgactc gggaggctga ggcagaattg cttgagccca ggaggtggag   900
gctgcagtga gccacgatcg catcacgcac tccagcccgg gcaacctggc aagaccctga   960
ctctaaaaag aaaaaaacaa caaaaaaaaa aagcccacgt tcaagggcag cactattcaa   1020
aagagggaag caactcagga atccaaacgc gcaggaggga acacatcggg gttcatccac   1080
aggggaacac gattcaccca aaaaaaggaa ggaaaccggc ccggccccgg gacttgaatg   1140
cacctggagg agactgtgat gaacaaaagc acccaaaccc aaaagggcag ggacggggtg   1200
atctgactga ggtgaggacc ccagccagcc aaattcatgg agacagaaag aag   1253

<210> 3119
<211> 1826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1827)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (124)...(588)
<223> similar to gi5832891 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3119

```
tttttttttt ttgccttctg gatttttttt tttttaaagg gaggttggtt cctgcatttc    60
cactctttga ccataggaac gcctggctac aaaaggggct gtaattggct gctgcctata   120
ggggcccccag gtccttcctc caattgcaag gcagcaactc cgaagttcta agtcccatgg   180
aaagtggcag tggttgggct ggactgtggc tggaggatca ccgggcctcg gttctcaagc   240
accatctgtc tggctgcagc tgggcccttc agctgggggc cagtgttgct ttccagctgc   300
ccccaccggg tcagatcatc tctgggcaag gaagagctgc tgggcatctc ttactgtcct   360
tctcggcagg gccttcctcc accttgggtg cctcctgacg cctgccccgg aagtcttcat   420
ctgaaaagga gagggaagct gcctcatcct ctaccctgca gggcctcgct caggcacggc   480
ccctagactg ggcaagagag ctgacccgac tctctctgcc cccttcattt gggacccatg   540
cagatccccc caggtagacg atgcatgggt ccagggagag aggcagcagg acactcaggt   600
gctggccagg gtccaccact gagctctgag accttggaca agttctcccc tcgtctttgg   660
gcctcaaatt tcctcatcta taaaatggga tggaaaagct ggactatcta gatgacctct   720
gaggcccttc cagtccttgt ttctggatgc ctcctgaccc tcgaatgtgg catgaggatc   780
agggttcagc tgcgggccca ggagggtctg aggcagagtc ttctggccca cgtggccttt   840
ggaagggact gggtgaaagt tgagaagcct ctgggcccac agactgaagc tgcccagtgc   900
ttggttctca ggccgagggt cccccatggg ggcaggcctg tctgccacct cacacccaaa   960
agaatattcc ccagaaacag tacctggcac ttcatgctac aggtacacat ctaggtggaa  1020
gtagggctag ggcccctttt caggggttgc agaaaggggg aagcaatgtc gaccaagtca  1080
gggggatcca tatctttggg tcacctgccc cccaaccctc agtgtgttcc tccaggggac  1140
agggcgggtg ctcccatgaa acacccagga actccgctgg gagatccccg atcatagaga  1200
agttggagct tcgatctccc ctccagcctc cccacacgcg tggccctcca catcatccag  1260
gaggttggct gttgacgcga cagcccccag cctgccaggc cattcaggaa aaccgtccca  1320
gggatgaggg gacactgccc tagtcctccc agtcccactg actctctgcc ccacccctca  1380
aagctctgga ggtacctgac acacccacct gacccccccac acccttagta ctgtccccca  1440
ggctcatttt cctgaggtca gtggtatggc caggccctga cactctcgcc cagcttacat  1500
ctctggggat ggagaaacag cttcctccct gtttccctct ggctgctgag cctctgctat  1560
cctaggccct gtttgagaag catgaatagg agttctgata aaaaggtgga aagccgtatt  1620
tctactcgag gaagggaggg ccaacatgct tggagtgagg aggactcgtg ccccagttca  1680
actagagaaa tgaagggaag gtttgatatt gatggaagaa ccacttttttc tcccaagaag  1740
tacataacct cagaccaaaa aaaaagttaa tagncnnntt ncgngnctct nctgttncaa  1800
cgttcacagg nnnnccggct cacccc                                        1826
```

<210> 3120
<211> 1421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1422)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (141)...(1026)
<223> similar to gi3875538 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
      <400> 3120
ggcagcgagg atgtggtaca gcgcatggac ctggagggag gctgggaact gctcaggacc      60
tcggcggggc atgaggaggg ggccaccagg ttggccagcg gcccccttttc ccagggccat     120
ggctgagcac gcagggcccc gactcccccct ggtgctgaag acgctggcat gcacacacag     180
cagtgcgtat gagaaccaga gggtgaccac caccgccttc ctggccgagc tgctgaacag     240
caacgtggcc aacgacctca tgctcttgga ctcgctgctg gagagcctgg cggctcgcca     300
ganaggacac atgcgccagc gtgcggaggc tggtgctccg cggcctggcc aacctggcct     360
ccggctgccc tgacaaggtg cgaacccacg gcccccagct cctcacagcc atgattggcg     420
ggctggacga cggggacaac cctcacagcc cagtggccct ggaggccatg ctgggccttg     480
cgaggctggt gcacctggtg gagtcctggg acctgcgctc agggctgctg cacgtggcca     540
tccgcatccg gcctttcttc gacagtgaga agatggagtt ccggacggca tctatccgcc     600
tctttgggca ccttaacaag gtctgccacg gagactgtga ggacgtcttc ctggaccagg     660
tggtgggcgg gctggcgccc ctgctgctgc acctgcagga ccctcaggcc accgtggcca     720
gcgcctgcag gtttgccctg cgcatgtgtg gccccaatct ggcatgtgag gagctctcag     780
ctgctttcca gaaacacctg caggagggcc gagccctgta cttcggggag ttcctcaaca     840
ccacctgcaa gcacctgatg caccatttcc cagacctgct gggccgtctc ctgaccacct     900
gcctgttcta cttcaagagc agctgggaga acgtccgagc tgctgcaccc ctgttcaccg     960
gtaagcacca cccccctgccc cacccccacg ccgcccggca gccccgcctg atgcccccac    1020
ttcacagggt tcctggtgct gcactcggag cccaggcagc agccgcaggt ggacctggac    1080
cagctcattg cgggtgagca cccctccacg gggcccctcc gctgggccct gctgaccctg    1140
taggcacccg cagggactaa gtgattttcc tggatttcag gactttttcc ctgtcactgg    1200
tgacctcatc gtctctagta attcacggaa acttcttaac tgttccaaga gagcttaaaa    1260
aacactaaaa aaggaaaaac gatctttccg ttggctcctg agcctcccag cagaggctgt    1320
caggagagcg tggcccacgc gcaggcatgg gcatgccgag gtcacagccc gcaggcagcc    1380
cccctcctct acccccagcg ctccagatcc tgctgaagga g                       1421



      <210> 3121
      <211> 1668
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1587)...(831)
      <223> similar to gi4929633 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



      <400> 3121
ttttacattt tcttcttttt tttttctttt aaatgagcaa gtttgagagt ctgcagtttg      60
gactaccatg agaattgata ggaaggtggg agtcccaggc aatcccaggt cctgtagcag     120
cagctggtgg ggttcccact ccatgccgtg cagagcctga actcagggat gacacctgca     180
cctgctctct gggctgggct ctggcacagg aagcccctta agcaaacacc ccccgggcac     240
agccaatgcc aattagccag aacaaaaagc tcgctgtacc aacacccatc catgggagac     300
aagcaagtta tttctgagca tcttcactgc tgaaagaaaa ccaaggctca gaagaggacc     360
atggcttgcc acctaggcca acggggaccc aaagaatccc accaagtgtc aagacaactt     420
gccccatgct cttcacggag cgaccttgga accctccct gacaggcacc gctggctctc     480
ctgacgtggc ctgcaagtgc acggagcccc ttcctcctcg gccattccca gtttagattc     540
```

```
ccaggggaag catcagatgg cccctctccc ctgctggcag cagagcagac ggaaccagcc      600
agagcccagg gcagtgctca cctgcaggcc agtccactgc ggccagcacc gcccctaga      660
acctactgcg ggcatggcgg ccgccagtcc tgggtctccc ggctcaggta gtgccaggaa      720
gctgcgggca tggcggacag ctgtcctcgg tctggaggcg ccatcctggc tttcaaatct      780
gctccagagg ttatctgggg aggggctgct ccctcacaga gggagcctct aagcccacca      840
ggcgggcact ttcagcccaa agcctccggg ccacctcctc atcctcagcc tcggggggccg      900
gggccttctg tttgagtcca tcgaagtact ttccggaaat catccgccag ttcctccgcc      960
acggccaggg tattgtgctg ggctggggcg ggccagcttc ggggctctt tgaccaggca     1020
gccagaagat gggcccgagt tgtggtgctg gagaaaggtg gagccatgga tgcccgtgtg     1080
tctgcccagc tctgtcctgg ccacgccggg gtgcagggcg ttgacagtca caccagagcc     1140
ttgcagccgc cggctcagct ccttggtgaa gaggacgatg gcgagcttgg ctctggcagt     1200
aggcggcttt ggtgttatac ttcctcgtct gccagttcaa gtcgtcaaag tctatgtgcc     1260
cagcaacatg ggccagggac gagaggttga tgatccgcga aggggctgag gctttcagct     1320
tgtccagcag caagtttgtc aagagaaagt gacctggatt aaggatgatg aaaaggtcac     1380
ttttgactca cacctaaaat cccagcactt tgggaggacg acggggagg atcgcttgaa     1440
cccatggtgc agccctgcc caggcctcac ccaggtggtt aacgccaaac tgcatctcga     1500
agccgtcctc ggtggtccag tgggggcacc gcatcacacc cgcgttgttg attagaatgt     1560
ccactcgctc ctcctctgga agagaggggt ggaggaggag acatcccggt gaggacagac     1620
cccagcctga tgcaccagca gaaacactcc tgtgctccca caacctgg               1668
```

<210> 3122
<211> 1506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1363)...(1103)
<223> similar to gi436042 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3122
```
tttcgtccga gaggggtcaa atgcctgttc aaagggagag gttcggagca tggcctggga       60
aagtccatcc caaatggcgc tgtcccagga gcccaggcaa gcagggactc cccccttagca      120
ccgggaccag catgtggtgc cctcaggcca gcagagtggg gcacattgga tggctccgac      180
ctcgaggaca cggacgatgc cttccagcgg agcacacacc gctcccgcag cctccgcaga      240
gcctacggcc tgggccgcat ctgcctgctg gatgcgcccc agaaccatgc gacacccacg      300
atagccactg gccaggtgcc cgccgtgtgt gagattctcg tgagggaccc tgaaaacaac      360
agcatgggct acaggaggag caagagcacg gacaattttg cctttctgaa gaagagctcc      420
tttaagcgga agtccacctc caatcttgca gacctcagga cggcccatga tgcacgggta      480
ccacagagga ccctgagcag ttcctccact gactcccaaa agcttgggtc aggaaggacc      540
aaacgctgga ggagcccgat aagggccaag gactttgaca gagtcttcaa acttgtgagc      600
aatgtgactg aggctgcctg gaggaggag agtcctagga gtggggcccc atccctggga      660
gaggccagcc tgagacttca ggcacacagc cggctgcatg acgactactc ccgccgcgtc      720
tccaggagca ctgagcagga cagcaggcgg ggcggggcgg tcatgcatgg gaccactgca      780
acctgcaccg tggcccccgg tttcggctca gccacctcta aggggcccca cctagacgct      840
gacactgccg tatttcctct tgaaaccaaa agttcctggg cggtggaaag cgacagttcc      900
tgcacttgca gctctttgcc aagcccgatt gtccaggatg tgttgagcaa agactcctgt      960
gacccaaacg ctggcagcca gttgacattt gaccctgagc agcctcccac ccctctaagg     1020
cccaccacac ccaagcccca gagccctcag agcccccaga gccccggggc aggaagtgcc     1080
```

1911

```
agctgtcaca gcaatcacag tgccctgtcc gcgaattcag aggaaagtga aggaagggca    1140
gaagagcctg ctcagagaga gccagggcct gtgtccttgc aggatcccct ggaagccaca    1200
catggtatga gggcagcaag gaccttctgg tgaacattgg tgtggcagcc ggcccagaag    1260
aaaaggagaa ggaggaggta agggcagcgg cgaggtccct catgtgggcg accctcctgc    1320
gggaagggag cttgcacagg tgttgccctt ggtccctaac ctgtcaaggt cagtggccct    1380
ctgctgacct tgttgccctt acagtattag tgggaatggg agttgtcaag ttgctgttta    1440
ccaagttcag aagtaatctc tatctccttt gaaataaatt gacaatgtac gagattcatt    1500
gagatg                                                                1506
```

```
        <400> 3123
gctcgcaggg cagtccggtg aagagctacg actacctgct caagttcctg ctggtgggcg     60
acacgactgt gggcaagggc gagatcctgg agagcctgca ggacggcgcg gcagagtccc    120
cgtacgccta cagtaacgat tgcagctgag aaggcgcgaa ntgcttggtc cctgaaaagc    180
tgccgcctac cctggtctgg agcccctgca agctggcgta gagcaggaag gggttgcatc    240
acggctgagt cctcccctgc gcanacaatg ggatcgacta caagaccacc accatcctgc    300
tggacggccg gcgcgtgaag ctggagctct gggacacgtc gggccagggc cggttctgca    360
ccatcttcag gtcctactcc aggggcgctc aggggatcct cttggtgtat gacatcacca    420
accgctggtc ctttgacggc atcgaccgct ggatcaagga gatcgatgag catgcacccg    480
gagtccccg gatcttggtt ggaaaccggc tgcacctggc cttcaagcgg caggtcccga    540
cggagcaggc ccgcgcgtac gcagagaaga actgcatgac cttctttgag gtcagccccc    600
tgtgcaactt caacgtcatc gagtccttca cggagctatc ccgcatcgtg ctcatgcggc    660
acggcatgga gaagatctgg aggcccaacc gagtgttcag cctgcaggac ctctgctgcc    720
gggccatcgt ctcctgcacc cccgtgcacc tcatcgacaa gcttccactg cccgtcacca    780
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ctcaagaggt ccaagtccat ccgtccaccc cagagccccc cccagaactg ctcgcggagt    960
aactgcaaga tctcctagcg gggacggggcg gggccgcctg tgcagatgcc aggagggctc   1020
gagctggaca ctcctggctg gacgccaggc cagtgccgcc tacgtggaga ctgtccacac   1080
agctgcctca gaagcgccgg gctttcctca cacctgagcc gggtgcgagg aggagcatgc   1140
acggaccaag cgcggcaggc gggaggaggg ggcgcggctg ggctgctggt gcttccggga   1200
atcttggtct gaaacaagcc gggcctcccc agctgcctgg gcttgaccgg cggggagcct   1260
ggttggcctt tcttatttat atagagaaca cttcactttt ttgtacattt ttaaggggcc   1320
ttcaggaag cctgggtgtg gcccggtggt ggtgcactgg tgacttcatg gccacgccag    1380
ctgcggggac gcacttggga ctcctcgaga ggggactcgc ggccgcgatg gcaaggcatc   1440
```

```
ctgtgaattc atgcgctgcg agtggcgggg ctgcccagag gccggggggag cagacagggc   1500
cggtgctccc tctggaagct tgggtgaccg gggccctggc tcccacggga tggagggtgt   1560
ggtcctgtgg tcagagccca agcagcactc aggagagggg agaaaggagg tgcacctggc   1620
agcccacatt tttgttgctc cccaaatccc tccccacgtg gggatgagaa ccttcctgct   1680
gtgatgtgac accttcgggg acattgacca ctcaaaactc agatcatctc gcccaccctg   1740
gagagtgcag agctatctgt agacttagga atacttgatg ggcagcggtg cagaccccgg   1800
gcacctgcgt gcagcctcct gttctcggca gcttctgtcg ctggccctgg ggtccccaca   1860
gctgcagctc tcctgtgagg ttgcacggca tcagaaccat cctgaccttc ttagggacgt   1920
gcctggaacc acctcgtcca cgtccacgtc cacctggggg cctcgggagg ctaggcccct   1980
cctcaaaggc ccaccagccc ggcgctcatg ctgagcccca ggcacgcagg gccggccacc   2040
tctctcctga agccattggc cgctcctcca cccagtgctt ctgcccatgc ctgccccagc   2100
agcccctctg cacggtcacc atcgcctggg cctgcccaca gcactggtgc tcacctctac   2160
ctcctgtcct caggccgtgc ggcacgacat ggccagcacg cagaaggagc cctcccggga   2220
cccaggaccc cccgtggtgg actccgcggc acatgcttcc caaggtggtc ccacggaggg   2280
tgttactggg caccagtgga ctcgccccat ggcccgttcc tgggagatga gggccgtggc   2340
ctgcatgaac taccagatga gtaagggaac cccaggcagg cggccctgcc acagcccccc   2400
aaagacactg gcctcctgct ccagcttccc tgtcctggcc ccacctgtcc tgttgctgcc   2460
agcagggccc ttgtttggga ttatgaacaa acctcacaga ctttgaggac ctggatggtc   2520
ctgcattcac ggcatcaaca ctacccgcgc tgctgttaga cactccgcca ttcctggttc   2580
tctccgaacc gttctttgta cagtaaatgt aattcagctg tggta                   2625
```

<210> 3124
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (365)...(307)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3124
```
tttcgtcgga ggcgggcgcg ggcgcgtccc tgtggccagt cacccggagg agttggtcgc    60
acaattatga aagactcggc ttctgctgct agcgccggag ctgagttagt tctgagaagg   120
tttccctggg cgttccttgt ccggcggcct ctgctgccgc ctccggagac gcttcccgat   180
agatggctac aggccgcgga ggaggaggag gtggagttgc tgcccttccg gagtccgccc   240
cgtgaggaga atgtcccaga aatcctggat agaaagcact ttgaccaaga gggaatgtgt   300
atatattata ccaagttcca aggaccctca cagatgcctt ccaggatgtc aaatttgtca   360
gcaactcgtc agacggggtt tcactgtgtt agccaggatg gtctcgatct cctgacctcg   420
tgatccaccc gcctcggctt cccaaagtgc tgggattaca ggcgtgagcc accacgcccg   480
gccaatattt tgtaattttt agtagagatg gggtttcact atgttggcca ggctagtctt   540
aaactcctgt cctcgtgatc ctcccacctc ggcctcccaa agtgctgaga ttacaggtgt   600
gagccactgc atccagccaa taatatgctc tttaacaaac aatggatcaa aggagaaatc   660
acaagggaaa tagaaaaata cttaaaaatg aatgaacatg aaagaaaaca taccaaacgt   720
atgggaaaca gtgaaaacag tgcaaacgag gcaatttata gctatacacc attaaattta   780
aagataagaa agacgtcaaa ccaacaa                                       807
```

<210> 3125
<211> 1337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1338)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (252)...(946)
<223> similar to gi1255433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3125
tttcgtggtg actccagcgg aggagctctg ggacaccctt gtctagggaa gaggtcttac   60
tggctgccct cacctgactt tgtgtcccca ggccccccagc catggccctg tccctgcctc   120
tgggccctag acttggctca gagccccctca accacccacc gggagcacct agagaggcgg   180
acattgttgg atgcaccgtc tgccccgcgt ccggagagga gagcacgagc ccagagcagg   240
cccagaccct gggacaggac tccttgggcc ctcctgagca cttccagggt gggccaaggg   300
gcaatgagcc tgccgctcac cccccgagat ggtcaacacc ctcttcctac gaggacccag   360
ctgggggcaa acactgtgag caccccattt ctggcctgga ggtactagag gctgagcaga   420
acagcctgca cctgtgcctg ctggggctgg gccgccggct gcaggacctg gagcaaggcc   480
tggggcactg ggcattggcc cagagtggga tggtgcagct gcaggccctc caggtggacc   540
tacgaggggc agctgagcgt gtggaggcgc tgctagcgtt tggtgagggg ctggcacagc   600
ggagtgagcc cagggcctgg gcagccctgg agcagatcct gcgggccctg ggagcttacc   660
gagactccat cttccggcgg ctctggcagc tgcaggccca gctggtcagc tacagcctgg   720
tgttcgagga ggccaacacg ctggaccagg acttggaggt cgagggagac tcggactggc   780
caggacctnc gtggggtctg ggggccctgg gcacccagta gcctccccac ttccacagag   840
ttggagtggg atccggcggg ggacattggg ggccttgggc ccttgggaca aaagacagcc   900
cggacactag gagtgccctg tgagctgtgt ggccacaggg ggccccaggg caggggacaa   960
ggccttgagg tgagagcaga cccccttgag ggaccttctg ccaggcaccc tggggacatc   1020
tctgcgcacc ttctagcaag atcctgccct tccaaggagg tgtcagtggc tctgtctccc   1080
cctctatctc tgtctctcgg tgtctccttc tatctcactg tttctctctc tcgtctgtct   1140
ctgtctacat cctcaagccc catctcaaat tcactcctat cctgaggccc ccagatgatg   1200
ccccactcac ctcctgactg tcccagtctc tcctgaagtg ccacctcttc agggaggcct   1260
gtcgtgacct ccaaacatga gcactcctat cttcttactt tatttcctaa cagcactcac   1320
cacagcttga ctttgta   1337

<210> 3126
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (909)...(733)
<223> similar to gi190510 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3126
```
tttttttttt ttagaatata tttcatttta ttataaagca gtgctcccaa acttttcaca       60
gcgtacacct cgagggtgga gaactaacat ccaagcacac ctggatggtg gatgggaccc      120
acttctgggt aacctgatga ggaagctcta gtgaagaaat tcaggacgcg gtcttcagag      180
cagagggctt ggttcaagtc cctgttctgc cacttactaa ctgcatgacc ttgagcaagc      240
cacttaattt ctctgctcct tctctgtgaa atgggtacaa tgtggtcagc agtaaaggaa      300
ctaatacatg tacagcactc agcacaaagc ctggcacaca gcaggctctc accaggtgcc      360
attctcagca caactgcttg gttgagctac tgtggcagtg gcaggttgtg ccccaagggg      420
gtgggctcag gagcccgtgc agcaagaggc agtgaccaag gaggcagggg acaatagccc      480
tatcttttca ggatctctgc cttggacctg gagaatggag agactttgct cctatcacgt      540
cccaagttgg gaaaactaag gacgaagccg gtgactgaca tctgaaatgg aatcctctgc      600
atctccaagt ggccctatac ctgacaatat cattactagt gaaaaccaag tgacaaacac      660
actcctcgac cccaagttct tccacatgtc ccattgagga gagcacagcc aataacgcag      720
agtgtattta tgcgcagggc tggctaaaca ggctggctac gagtccggaa cagtgtcagg      780
atctggcttc ccattggccg acatgacaga atccttctcg cgttgctctc tgatgtactg      840
gtccaacagg gtggtcagct ggaggggctg gtgctggagc agggagtggg tctgggctgt      900
gaggcaggtg gagttctg                                                    918
```


<210> 3127
<211> 1373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1353)...(1134)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3127
```
ccaggggcat ttcgtggggt cggactggca gcagaatagt gtggtaatct gtgatgggct       60
gggccaggtg gttggggagt acaaggggcc aggcctgcat ggctgccagc cgggctccgt      120
gtctgtggat aagaagggct acatctttct gacccttcga gaagtcaaca aggtggtgat      180
cctggacccg aagggggtccc tccttggaga cttcctgaca gcctaccacg gcctggaaaa      240
gcccccgggtt accaccatgg tggatggcag gtacctggtc gtgtccctca gtaacgggac      300
catccacatc tttcgggtcc gttctccgga cagttaaagg ggctaggact agggtgagag      360
ggagtgggga gggagagggc aggaaggagg cagagctgtc cgtgggaggt ggaggccgag      420
gacattttcc tgaagggcag gggttggcaa cttttcaaca tggagtgcca aactgctaac      480
ccgtcttcta gtgtgtgaga atagggacca aggtggtggc gtgaccttaa ctctcagaag      540
cagaggaggc aggtgggtgg aggggatgc tgggaattca cctgcctctt gcttttgtg       600
ggtggctgct gccaccaccg ccgctgctat atagtttagg tttctgaggt ttgtgagcct      660
gtcctgcttt gcattcttca aaaccattcc tgatagagta gccgagggag agtcttgggg      720
ccaagaaggg cccagggtgg gtcaggcgtg tgcactgtgg aacagagctg agaccccggc      780
```

```
ccccccttgga ctggcacagg gtcctacaga gtcagaggag gcctgagatt tcgaatgggc    840
agtgaatggc ctcttctgcc agccacaggc aggatgctcc ttgatcacgg catcccccgg    900
cggtagtaca gggtgagctt gcaggagggt ctgcaagtgc agacagcagc tggggccaaa    960
gaggtgttag gttcaaaggc tgcgaagaga ataggctact ggaaaaccaa acccaacaga   1020
attcacgtcc aaaaatccac attctccatc gcttctcagc cttttggcta agattaagta   1080
ttaaaaaaaa accaggctct gccaggcgca gtggctcatg cctataatcc cggcactttg   1140
ggagtctgtg gcaggaggat tgcttgaggc caggagtttg agaccagcct gggcaacata   1200
gcgagacccc atctctacaa aagattaaaa attagctgcg tgtagtagca tatgcctttc   1260
aacgtagcta ctcaggaggc tgaggtggga ggatcccttg agccgaggag tttgagtctg   1320
cagtgagcta tgatcgcacc actgcattcc agaccccatc tcgaaaaaaa aaa          1373
```

```
<400> 3128
tttttttttt ttctcattaa caaagcagtc aattccctt attttaaaa ttttatgtac     60
acatatgaat gatctgtata atgtacattc aatatagaga agctttatat atgtgatagt    120
tgtagagaac atttcagaat gatactcatc ttttacatga catcttgaca tccattttta    180
aatttgtttt gcacaagctc cttgtcattc aatttggtaa aagccagtta tacatactaa    240
tgtgtactgt gagcctttca gaagggttaa tgattgaggg atgccagtga aggggtgcag    300
gggacaaaac ctaataggtc ttgggatggg tggggggga gggatgggcc acggcaggac    360
tttggatgca gggagagggg gaaaatattc tttcccgggg ggaaaagtga cttagcccaa    420
tttttgttga ctgtagctca accctacagt catgcctagt tcaaaaaaaa aattccaaaa    480
ctaggaagaa agttttgtct ttttgattca cagttttgta aacagatata aaggaacaaa    540
tgtgcttaca tacaccaaga aaaaaaaaat tcttgtgtac ccacttatgt tgatccacag    600
agtgctttct tataatgtga tacaattagg atcactgact ttttttccta aaaatatatt    660
tatagaaaaa ggaataacac tgtcatgaaa ccaggagaaa ggcagtaaga gtttgcttca    720
acgtatcagc tggaggaatg tggacttggc actggccttt cagcgtttat tgtctctcgt    780
gaatatttca agtctgatag ccaaggtcgc ctgcctcatg gtctacagga ggtggcaggt    840
tagacatgac tgatgtagat gtacctgcgg taaggtagcc agcaactcca ggtcctgtga    900
ggtatcctgc tgtttgtgac tcagaaatga acaaatcatg tttctgatct ttgaaggcac    960
tccagactga agaacggcac aggatttcat tcacctgttc tccatactgc aaacttcgag   1020
tcattgcctt gagagcttta acaatctgag ccttagtggc tgctgggctg tccaggtttt   1080
caaggccaat gccttcgagt aattttaaga ggtatggaac caaatctgct ttcagggctt   1140
gtgctactaa ttcactctgc tccttctgaa acattcgatt aattgcttca caggctagac   1200
caacagtatc tgctcgcttt ttcattccat tcatcagtgg gccaatggtc tctaaagatg   1260
ccatggctcg aacacacagc tcattttcag acaaggcatg gataacccga atggcactct   1320
taggaatggc attgttccta tgattcattg cctggataac tttgggaaga tggcccaatg   1380
gcgggacctg atctgccagc tgaggttgtg cgctgaagag acacactgtt gccattgtca   1440
aggtttccag agtttctcca tgaggattgt tcttctctag gagctcagtt aatttttcta   1500
acagggcaat aagaaattct ctaggctttc ttagaaccca ggctggttgt gcaataaaga   1560
tcctcaagaa gactcctcca acagcaagtt ccccctctgc ttctccaaac accacagcaa   1620
```

```
aatcttcagg caacttccag tttgcctcag ggttgtcctg ctgattttta aagtgctcta    1680
gcatcatttc cctaactgtt gtggacactt tatctctgga attatcattc caaattaact    1740
caggattttc atgagttcct tcaaaaaata tgtacagcag cttcaggatt gtctctcata    1800
gcatcccatg aaaacgcttg gtagaaattt cattaacggt aattcgaacc tttggaccta    1860
tcagtttatc tgctgtcatt ttggcaaaaa gttctgctgt ttgggctcga acctgtggat    1920
gtgttgaatt gcagaacata tccagtaaat ggaatcaaag caccctttgc cattgcttct    1980
ttgattaatt tttgtactcg gatgtccaaa gcataaagag tttcccagaa ccaagctgac    2040
cgacttgatg gcaatgaatg tagaagagcc aataaactgg acaaaaccca ttgattcagc    2100
aatattgttg acacagtctt ggttagatgt cactatattc acaacctctt aaagccaacc    2160
tgctgtactt gaccagctcc atgaaacgcg gagaagagaa aatatacacc tacagtgccc    2220
aatgtcattc actctcagaa cctggattgt attttatgac atttctcaga gcctccaaag    2280
ccatttctac tctcggtaag cgatctccat gttgctctga ctccactttt gccgcgtgtg    2340
tgatggccat gaatgtgtgc aagtattggg cctgcgagcc tatataatcc aagagacttg    2400
cagcaaatgc ttttggaacc tccagttgga aagtaggaac ttcattatac accctaacaa    2460
aaatctcccc tacaataagt tatttggcat gatcactgta gacaaattct gatccataag    2520
ttttgtcaca atcacctttt ttaatcatgt tttcttgttg ggattcaaga aattcaagta    2580
attctgctct tgtagaattg ttccatatca aatatggact ttctgtgttg ctgttaagca    2640
tcttcaaaat ctcagtcaca ctagccacag caagttttct agcaacatag ggtgtcagca    2700
tgccagctaa gcttttcctt atggttggat tttctggagt tgcttgttct tcagccaaat    2760
accctccaag gcgactcaga gcatggacac tcagtttggc aaggctgttt gctacctcct    2820
gctggtttgt ttcttcactt ttctgaatgc cactctcttc tagtgtgtag tcataattaa    2880
acagaaaacc aaggagatac cacaaaattc cagcctgaaa taggtgtgtc tgtagccaga    2940
aatccacagc aaaagaactg acacattcta ccccaagagc agctacgcgg ggaatactct    3000
tgccaaaata tagtacccga cagagatcct tgatgatgct aggcatttcc gtgatcttct    3060
ctcggcattc ctcaaactga gcagccacac tgtagcattt acttatgtat ccacacacct    3120
gtactgacat gtcacttggt ttactagaac gagtcaagac agccacacag cgactaaatg    3180
cctcttgtaa cacctctagt ccattctctc ttctgagctc ttcagcattg agggctgaac    3240
agttgacagt atggaaagct agctctgtag ccgcaggcaa caatggtgat tcttttgaga    3300
aaaggaggtc atctgaagtt tccattgtta tagtccgaat aagcatgggg tatcctgcat    3360
atttataagg ctgtaaatct tctttatgac ggttgaagag gatgctctgt gtttttagaa    3420
ttaaaattat attctctgga tctggcccat ccactatttt tgctgatttg gtacataaaa    3480
attcatatgc tttatttact ttttcaaaca tgtccctccc ttctggattc ttatcagggt    3540
ggtacttttg tgcaagtctg aagtaagctt tcctaatctt gctctcatca tgcggtccct    3600
gtccttgagg cagattaagc acttcataag catcatctat tgacatcata ggtggcttct    3660
tttctacttc tttcttccag gcatcaaggg tatcttttag aagcttaacc gggtctttaa    3720
ttggccaatc tggaaaccgg agtgtatcac acagttgttt gaggtaataa atattacaaa    3780
atagttcatt ttcgagttgt ggatagttga ttataggaat ggggcaatac tgataaagtg    3840
ctcttgtgtt actctgaaga cgaggtgtg                                       3869
```

<210> 3129
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(545)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3129

```
cagaaacatg gctttaccag tatgaccctc aagacaaaat acaaaacaat ggctaccaag    60
aggtggaagt ggcccagtca cagcaagagc agattgatca agagcaaagg tcatggtaac   120
agtttttttgg atcctcaagt cattttgctt gttgactttt tggagggcca aataaagata  180
tcatctgctt attatgagag tgtttcgaga gaaatccaaa gcttagcaga gaaacgcctg   240
ggaaagcttc accagagggt cttccaccgt gacagttccc ctgcgcattc ctctcataaa   300
gcaagggcag tttagctaga atttctatca aaaatcatta ggtatccatc tcccagtcct   360
gatttggctc cttctgactt cttttttgttt cccaatctta aaaaaatccc tgaagggcac  420
ctgtttttct tcagctaata aaaaagacat ggttaatttc ccaggaccct cagttcttta   480
aggatagact gaatggctgg tatcattgct tgaacttaat ggagcttatg ttgggaaaca   540
aaaat                                                                545
```


<210> 3130
<211> 1350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1251)...(982)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3130

```
ttaaatttgt agattaattt gagaatttac atctgtagaa cattctagga acgtgctatc     60
tcatgtcatg tattcatttc ttggtaatgt ctttcagaag agctttagtg tttccatata    120
tagatcttat acatcttttg ttagataaaa gatctttgta ttttttgttcc taaattcttc   180
atacatttgt attgccattg taaatgggat ctttcttcca ttttctaatt agttattggt    240
ggtacatggg aaaagtattt gaggtttgtg tgctgatttc ttgattttgt agatagccac    300
tgtattgaat tctcattact tccagtaaaa tcttagttga ttctcttagg cttctttggc    360
taacattttt catttaatat gcaaataatg atagttttgt ctcttccttt ccaatacttc    420
tactctttcc ttcctttccc tttttccttttt tcctttcctt tcctttcctt ttttttccct   480
tctcagggcc ttgttgtcac ccaggctgga gagcaatggt gtgacctagc tcactgtagc    540
atcaaactcc tgggcttagg ggatcctcct gcctcagctt cctgagtggc tgggactaca    600
ggcaggcagc taatttaaaa aatgtgtttg tagagacaag gtcttgctat gttgcccagg    660
ctagttttcc tgccacttca gaggaaggac tcaggtttcc tttttctcct acttttaaga    720
gtttttatta ggaattatct gttgaatgtt atctaaaaca gtcaataaaa tgtattaagt    780
accagctgca tgcaagaccc taagttagat acagtcagcc ctcttcatca gcaggtccac    840
atcttcagat tcaactagat aaggctgaat atttgaagaa agaaacaata aaaatacaat    900
tagaaagtac agtataacaa ctgttgtcat tatacaatat ctatacattt tattagtgat    960
gacctaaagt acatgggacc aggcacggtg actcacactt gtaatcccaa cactttggga   1020
ggccaacctg ggcagcatag tgagaccttg tctttaataa aaataaaaat aaaaaaatta   1080
gccagtgtgg tggtatgcac ctgtagtccc agcactcaa gaggctgagg tgggcagatc    1140
actggagccc aggaggttgc ggctgcagtg agctgtgatt gtgacactgc tctccagcct   1200
gagtgacaga gggtgatcct gtctctaagt aagtaaataa ataaagtata tggggggggt   1260
gtgttggtta tatgcagaca ctgcaccatt atacgtaagg gattgagcat ccacagattc   1320
tggtatggtg tggggggcgat atcctagaac                                   1350
```

<210> 3131
<211> 1863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1864)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1660)...(416)
<223> similar to gi699196 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3131
```
tttttttttgt ttcctccagt gtgatacttt atttgttttt ttgtgggaaa cctctgggac     60
ctgccctgga gagcctggca actgcagggc actgtggggc tgggaggtgc ctcagcacgt    120
ggggccaggg gctggcatgc accgcgctgc acagatgagg tcggtggtga ccaggcagag    180
gtgacaccag ggacggtctc cttgagctgc aacaactggc ccgaggctgg ggaccccaca    240
tggtgatttc atcccaaaca gttcttgatt ctacgtgacc tgatttgggg ggttcaggtt    300
taagggaggc caggtcttgg acgggccccc gtggttctcg gtgtgaaggg gacgtctgct    360
gctccccacc agacccgcag tcccagtctg ccgggtcatg aggggtggaa gtgcctgatg    420
agcgccttct tgtcaatctt gcccatctgg ttccgcggga tctcctccac cagcaccagc    480
tccgagggca ccgcgtacgg ggccaggaca tttctggccc actctttgag ctccctgtgg    540
gacagtgagt gtccttctcg gagggtcacc acagcagtga cccgctggcc ccatgtcata    600
tccggaactc caatcacagc cacatctgtg atgctggggt gggccagcag gtgccactcc    660
acctccaggg cgctgacctt gtagcctcca gtcttgatga tgtccactga ggtccggcct    720
cggatccagt actggccatc cttaaacacc acggtgtccc ctgtcttaaa ccagccatcc    780
agggtgaatg cactcttagt ttcttctggt ttattccagt attctcgaaa cacggagggt    840
cccctcacca gcagctcccc ctcctttct tcaaaccctg gggtcacctt ggtcccctc    900
tcgtctccct ctgcgtggat ggtgtaggag caggcttccc tctgtgggtt ttctgagaca    960
atgcgcacct gtactccagg cagtggggtc cccacggaac ctggcaggcg catggcagtg   1020
gtcaggggcc cggacagagc catgccgatc tcggtcatgc cataccgctc cagcagggtg   1080
tggcccgtga tgttcttcca cttctccagc actgggaggg gcaggcagc tgagcctgag   1140
accatcagcc taattttttc ttcacaaact gcacgcaaga aatcctgggc gtgcggctgg   1200
gtaaaatgcc tgtcgtagta ctccatcagc ttggtgtata ttgtaggcac tgccataaag   1260
acattgatcc gcggcgtttc agaacttaag aacttttccc aaacctgctg agggctgaac   1320
tcaggcatca tcacacaggt ggctcccacc cagagaggac agagcagcgc gttgaccaca   1380
ccatggacgt ggtgcagcgg gagcacgtgg aggatcacgt cgtctttggt ccatgcccac   1440
ttgtggacca gcccggtcac cacagccctg atgttttggt gcgtgctcag cacgcccttg   1500
ggcctccccg tggtcccact ggtgtagatg atcatggcgc ccttgttcct ccatccctgc   1560
tctgggaccg ggacctctgc cggttcctct actgctccag tgtagatggc tggtgtgagc   1620
ggcagcagcg ggaccccag cttcctgacc accgggctca ggagctccag gtactcctgg   1680
ctggcaagga ccacagagct ctgggagtcg cagatgacat actccagctg ggccgcggga   1740
tgcttcctgt agaggggtac tgccacaccg ccgctcatcc atgaggccct ctgggccacg   1800
acgtaggagg cgtggttagc tcataggaag gaggaatgcc nctcnncagg gtaggctatc   1860
gag                                                                1863
```

```
<210> 3132
<211> 1122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1091)
<223> similar to gi32015 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 3132
ggccagagca gctgatcaca ggaaaggagg atgcagccaa caactatgcc cggggccact      60
acacggtggg caaggagagc attgacctgg tgctggaccg catacggaag ctgacagatg     120
cttgctctgg cctgcagggc ttcctgattt tccacagttt tggtgggggc actggctccg     180
gcttcacttc tctgctgatg gaacgcctct ccctggatta tggcaagaaa tccaagctgg     240
agtttgccat ctacccagcc ccccaggtct ctactgcagt ggtggagccc tacaactcca     300
tcctgaccac ccacaccaca ctggaacatt cagattgtgc tttcatggtg gacaacgaag     360
ccatctatga catctgccgc aggaaccttg acattgagcg ccctacctat accaacctca     420
accgcctcat cagtcagatt gtgtcctcaa tcactgcttc tctccgcttt gacggggccc     480
tcaatgtgga cctcactgag ttccagacca acctggtgcc ctaccccgc atccacttcc     540
cgctggtcac ctacgcgccc atcatctctg ccgagaaagc ctatcacgaa cagctctctg     600
tggccgagat aaccagctcc tgctttgagc ccaacagcca gatggtgaag tgcgacccga     660
gacatggcaa gtacatggcc tgctgcatgc tctaccgggg cgacgtggtg cccaaggatg     720
tgaatgtcgc tattgctgcc atcaagacca agaggaccat ccagtttgta gactggtgtc     780
ccacaggctt caaggtgggc atcaactacc agcccccgac cgtggtcccc gggggagacc     840
tggccaaggt gcagcgggcc gtctgcatgc tcagcaacac cacggccatt gcggaggcct     900
gggcccgcct cgaccacaag ttcgacctca tgtacgccaa gcgggccttt gtgcattggt     960
atgtgggaga ggggatggaa gaaggagaat tttcttgaag gccaggggaa gacttagctt    1020
gccctggaag aaggattatg aagaagtggg gactgattcg tttgaagaag aaaatgaagg    1080
ggaggaattt taaatatata ccttcccctt gaaaaaaaaa at                       1122




<210> 3133
<211> 1850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1338)...(1675)
<223> similar to gi1872200 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 3133
tttttttttt ttctccgtac aagtatttta tttccattac aatagtgcca cgccaaaact      60
```

```
acagtagctc aaaacataat acaaaaaata gattcccagc tcccaacccc acgtccacgc      120
acccacagag aagccagccc tatggctccc caggcctaag gggaggggtc tcacttcatt      180
ttccttaaag ctctggagcg ggtagtggca gtggcagggg cttccacccc tgctgggcct      240
gagccctctt cttccccaac cccctgccgg ccccggcaga cctgagccat gagtgtggtc      300
tccattccct cgggctgcac ccccagccct aggacacctg cctctgtcca gggagggggt      360
ccaagcccat ggtgctggtg ctgacactac aggaccacca ccctccacgc ggaaggcagg      420
agggtcgggg gaggggaggc agaggggaca ccatggctgg gagaagcccg cctctatgtg      480
gcaaggggac tgcggctggc ttctgcttca gctacttctc gggttcctgt ctcctctgca      540
gagctaccag gactgctgcg tgctgggacc aggacctcca tctggaatcc actctcgata      600
ccctgcacca gcttggaggc agatcccaag gtggcagggg tgtccctgtg ccgtctgctt      660
cctctcgggc aggaggattc cagcttcccg ggtgagggga gagcactgtc caggcagggc      720
tgggccagga ggcctgggct gctgaggcgg gaaagcggtg gctgtggagg cacgtgctg       780
ccccccacctc cgtctcgggg cctggcttcc ccactggatg gcagaggccg ctccaggtgc     840
ttccacttgg tggcgcccat gagtctgcta ctggagaagc tgtggtctca gggaggagac      900
agacaccaca ggccagactg ggtggaggaa tcttcccctc acaatgtccc ctggctaaaa      960
gcatccatct agctgcaagt actatcttga ttcaacccag gggccgacaa tggactgcag     1020
cccagggtaa gtccagcagt tttgcagtct tccgatgccc tgtgccatgg acctgccggc     1080
cagagctcct gggctcccgt ggaggttagc cctgcaggca ccggggaaat ggggctatgg     1140
cctgtgcttc agtcaggaca cctggggggct gcactgcgga ggccaagggc atctaggagc    1200
aggggctgtc tccttggggt ggagactggc ggctgcagcc tcagataagg cactagagga     1260
ctggactggt cctgggagcc aggcccagcc atgtggtgga tgacggtgct cagagagagg     1320
atttgggtcc tgcgggaggt gacagctgtt tctctttct ttttttggg acggagtctc       1380
cctctgtcac ccaggctgga gtgcagtggc gcaatctcag ctcactgcaa cctctgcctc     1440
ctgagctcaa gagattctct tgcctcagcc tcccgagtaa ctgggattac aggtgcccac     1500
caccactccc ggctaatttt tgtaattttt tttagtagag atggggtttc accacgttgg     1560
ccaggctggt ctcaaactcc tgacctcagg tgatccgccc acctcaacct cccaaagtgc     1620
tgggattaca ggagtgagcc accgggccca gcctgttttc tcttttctcc tttccctggg     1680
gaagagggtt ggccggacag accctggtgt gggctgggat gggggactgc tgcgtgctgg     1740
gaccaggacc tccatctgga atccactctc gataccctgc accagcttgg aggcagatca     1800
caaggtggca ggggtgtcct gtgccgtctg cttcctctcg ggcaggagga                1850
```

          <210> 3134
          <211> 3458
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(3459)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (2)...(870)
          <223> similar to gi2244815 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 3134
     ggtttacacg tacctccgcc tcatcgtgga ccaccatggg actgcccagc tccaggccct   60
     gcgacagaag gaagtagact tctgcatctc actgcttcgg gaacggttca tggaatgtct   120
```

```
gatgattggt cgggatctcg taagactact tcagaatgtt gctaggatac cagaatttga    180
actgctttgg aaagatatta tccataatcc tcaggccttg agtcctcagt tcacaggtat    240
cctacagctt cttcagtcaa gaacatcccg aaaattccta gcatgtcgtc taaccccgga    300
catggagact aaactcctct tcatgacatc ccgggtgcga tttggtcaac aaaagcgata    360
ccaagattgg ttccagcgcc agtacctgtc aactccagat agtcagtctc tgcgctgtga    420
cctcattcgc tacatctgtg gggtagtcca cccttctaat gaagtactga gttcagatat    480
cttgccccgg tgggccatca ttggttggct cctgacaacg tgcacgtcaa atgtcgctgc    540
ctccaatgcc aagctggctt tgttttatga ctggctgttc tttagtccag acaaggatag    600
cattatgaac atagaaccag ccatcctggt catgcaccac tccatgaagc cccacccagc    660
catcactgcc acactcctgg acttcatgtg ccgcatcatt cccaacttct atccaccatt    720
ggagggccac gtgcggcagg gtgtcttttc ctccctcaac cacattgtgg agaaacgggt    780
cttggcgtgt aaaaagtatt ggctctacct cagactgctg ggcatatgtc ttcttggctc    840
ttagaggaat ttctctcctg ccatcgtatt acaaagacac ctagctcccc tgtttgacaa    900
ccctaagttg gataaggagc tgcggcaat gctgagagag aagtttcctg agttctgcag    960
ctcaccctcc ccacctgtgg aagtcaaaat tgaggagcca gtttccatgg agatggacaa   1020
ccatatgtcg gataaggatg agagttgcta tgacaatgca gaggcagcct tcagtgacga   1080
tgaagaggat ctcaacagca aaggaaagaa gagggagttt cgcttccacc ctatcaagga   1140
gacagttgtg gaggagccag ttgatatcac cccttacctt gaccagttgg atgagtccct   1200
gagggacaaa gtactccagc tacagaaggg gagtgatacg gaggcccagt gtgaggtcat   1260
gcaggaaatt gtggaccagg tcctggagga agactttgac tcggagcagc tgtctgtcct   1320
tgcttcctgc ctacaggagc tcttcaaggc ccactttcga ggggaggtcc tgcctgagga   1380
gattactgag gagtccctgg aggagtctgt aggaaagcct ctgtacctaa tatttaggaa   1440
cctatgtcag atgcaggaag acaacagcag cttctctcta cttctagacc ttctctccga   1500
gctatatcag aagcagccca agattggcta ccacctgctc tactacctga gggccagcaa   1560
agccgccgca gggaagatga acctgtacga gtcatttgcc caggctaccc agctgggcga   1620
tctgcacacc tgcctgatga tggacatgaa ggcctgccag gaggacgatg tgcggctcct   1680
gtgccacctc acgccctcca tctacacaga gtttccagat gaaaccttga ggagcggaga   1740
gctgctgaac atgatcgtgg ctgttattga ctctgcacag ctccaggagc tggtctgcca   1800
cgtgatgatg ggtaacctgg ttatgtttcg aaaagactca gttctcaaca tactcattca   1860
gagcctagac tgggagacct ttgagcagta ttgtgcctgg cagctctttc tggcccacaa   1920
tattcccctg gagaccataa tccccatcct gcagcacctc aaatacaagg agcacccaga   1980
ggccctgtcc tgcctactgc ttcaactccg aagagaaaag cccagcgagg agatggtgaa   2040
gatggtgctg agccggccct gccatcctga cgaccagttc accaccagca tcctgcggca   2100
ctggtgcatg aaacatgacg agctgctggc cgagcacatc aagtccctgc tcatcaagaa   2160
caacagcctg cctcgcaaga gacagagcct gaggagctct agcagcaagc tggcccagct   2220
gactctggag cagatcctgg agcacttgga caatctgcgg ctcaacctga ccaacaccaa   2280
gcagaacttt tttagccaga cgccaattct ccaggcgctg cagcatgtcc aagcgagctg   2340
tgacgaagcc cacaagatga aattcagtga tctcttctcc ctggcggagg aatatgagga   2400
ctcttccacc aagccaccca agagccggcg aaaaagcagct ctgtccagcc ctcgaagtcg   2460
aaagaatgcc acacagcccc ccaatgccga aggaaggagt cggggttcca gcagtgtttt   2520
caggaaggag ggaaggacac ggaaaccgaa gccttaccaa gcgggaaacg gaaaagggtc   2580
ctctgcagtg ggctctgaca gtgactgagg ccctgcattc cccatcccac ccccggctgg   2640
actgccctct ccttcttggt gattcaaagg ttaatagagg ctgaggagat tgcagggaa    2700
acacccttgc tgcatcccca agctcccccg gtggaaggag gagctttctc ctctggctga   2760
gtttgagaag ctgccatgca cgccctagcc ccttccctcc tcctggggcc tccagcccct   2820
cacactgctg ttcccagtga tatttgggat ctgactgaag ccagaggctc tgtaaaatca   2880
gaccatagtg gaagtcctca gcccctggc cccttccgca atctcctccc ccagtctccc    2940
aaagagccat ttcaacagag aagggaaatg acaaaggggc agctggccag ataagctagg   3000
atgagagcag agactcagtg tgtgggtgtc ccttcctgct tcccccttca ggtcttggtt   3060
tgttctgaag ggacgtttta tagtcactat ccacatgcca gtgtgaaatg ggcatctatg   3120
acgtggtcag ggtgtccatt cctaatcatg gggggngggg gggncccaa agaatgccac    3180
cnaagcattc agaaaggagt ctgaaagggt ggccacagcc cacgatggt gtgccctggg    3240
aggcttaggt tggtcttgag gttgggcacc tcaatctaca ccagagcccc aggggagtcc   3300
cagagggcaa gttttcacag aattgtcaaa tgatcccatt tccttgagtc tgttttttttt   3360
ttttgttttt ttttgttttt tttttggcag agataatcgt gttcttaaaa ttgtttttttt   3420
aaatgacaat aaaacaagcc agaatgtcaa aaaaaaaa                           3458
```

<210> 3135
<211> 1610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1611)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1610)...(418)
<223> similar to gi2854198 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3135
tttcaccatt gtgattttgt ttattttttc tattaaaaac aaaaagtcac acattcaaca   60
aggtgtgccg tgtgggtctc tcagccttgc ccctcctgct cctctacgct gcctcaggcc   120
cccagccctg tggcttccac ctcagctcta gaagcctgct ccctctgcag ggggtggtgg   180
tgtcttccca gccctgtccc atgtgtccct ccacccattt tcctgcattc tgtctgtcct   240
tttcctcctt ggagcctggg ccagctcaag gtgggcacgg gggcccagac agtactctcc   300
agttctgggg cccccccgagt gaggagggaa cgggaagtcg gtgccttggt ttcagctgat   360
ttggggggaa atgccttaat ttcactctcc tcccttctcc agcctcaggg gaggatctgg   420
aggatccact actgtcttta agatgcagag tggaggggag gtgggcaccc accctgcgat   480
tctccaccct ttccccttct ttcgtcctca ccatctctgc agacccctct cctcctcctt   540
cctcttggnc tccacaactg aggggaggct ggtgcccaag ctgtggcctg cagtctgtga   600
ggagggctgt cttgcctcac actcctcaca gcctacttcc ccttccccgg ggctgagagg   660
gtgaaagtgt gtggggaagg agaggactgg tttcctgggt tctcaggggc caggaggagt   720
aacagaacca ggtctgctcc ccaccttact cggatggcct ccctgcccct ctgctggcac   780
agcctgggca aggggagaag gtggtccctg cagaggggct ccaggctggt gagagccccc   840
ctgctgtcag gaccagattt tcccagccat ccagcatgct gcggggagaa ggggcagagg   900
ctcacctccc tcctggggcc ttttgttttg gatcctgggg atggtgagaa tggaggttct   960
agaagggta aggccagaac ccaggatcc aggagtcggc tctcagctgg agcttccata   1020
ccttctgggc tccctttgct gaccaccagc ccaagggagc taagaccagg aggggctgg   1080
gcgctgtccc ttctctttcc caggagccct gccaggggct gtgggcctac aaggcttcca   1140
ggggatgcca tccagcctgt aggaaaccaa agatgggaag tggctcctag ggggctgtac   1200
tctctttcct cctcctcccc agtaccacat atactttctc tccttctatc tccagggccc   1260
caccaatctg tttacatatt tattatccta tggggggctg agcaggattg agggagccag   1320
gggaggggca ggagtcccag caccatcggt tcatagtggg cttgtgtgtt tgttttagat   1380
cctcctggga gatggggatg gggccaggct cagtgtacta ggcctctctg tgctgagccc   1440
caggctcccg gccccttacc cactctttcc ctgtggctgg tctggttctc atgtaaaccc   1500
actccttgct ttgtctccct ggatatggat ttcagttaag tattttgtaa cccgttacac   1560
tgtgtgtcct tgtgtaaata aacttgtttc tggcagtgcc aaaaaaaaaa   1610

<210> 3136

<211> 2208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1274)...(173)
<223> similar to gi3395416 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 3136
```
caaacgctga gtgactcggg gccggacagt tcataaataa ttgattcctt tccccactaa     60
agcagtcgag gagatttgta atccactttt tagtgcaaca agagctccat gttatgcttg    120
taataaatta tttacacggg agctgggctg gtgtgcagtg gcaggtcccg tcagaagaga    180
tgaggctcct gggacaggtc agcgtcaggg gcagcctgct gtctgctctg gagggcggcg    240
ctcacctctg ggtcgcagtc cccacgatca gccagcagct gtgagagagg agcaggtcct    300
cagcccatgc cgcccactag gcctcagacc acaggggagg ggctctggca gaaatagtcg    360
agttgtattg ccagccaggc aggcacatgg cccaggcagc tgtcaattct catgtccccc    420
acgtggccca aggtgggcat cttgacgtta cctctgccac gtgtgagaag ctcttttttcg    480
ggcaccgagg tattaactgc agcagaaaaa gacgagcttt tgttatcagt tccacggggt    540
tgccctagag agaaaacagg caaactcaca ggttagaaga catacagaaa cagggctggt    600
gtgtcccca tagtctgcat gctgtgccgg aacattcttt ggcagaagga gcctccggct    660
gggggggagct cccctggagg tgggactggc ccttgcacct gcctgaccct tgagctccag    720
gctcctgcca gctggaggtg aaactgtgct tgtatcccca gccacgaaga gctggaccag    780
cttcaagtac atgtccacag caacatgcag gaaggcctct tccctgatgg ccgcgtcttc    840
atggaagtag gagagaagac tagaggtaaa gacatagtga caaatggcta cagactgctg    900
gaaaggtagc aggtgatgcc aagggatact gctcatctgt ggagcagagg cacagacaac    960
ccttcccatc tggcgggacc cagaggtgct gagatggggg tctgggaaac actgcccagc   1020
cctgaccagc cctgtgggtg gaggtacctg taaaaagcga aaggcagcag cctggtgtgc   1080
tgatccgggg ccacacggag gaggagccgc cccagcctga ggtctgcaac accaagaagt   1140
ggctcaggca actctggaca tctctgccta ttatcagtgc tggggacacc cctgggggtc   1200
gggacgtgta ccctgggagg cctggctgtg gggatagtgt ggggcgaaca gcctgagctg   1260
aggataccca ggtacctgtc agcagctggg agaggatggg ggggtcgacc tcttgcagga   1320
gggtgggtgt ggtgcagaga gaggcagtcc ccatgatagg cccattggtc ctggggttga   1380
ccagtgagcc agtaaattat cttattgctt taaacaagtt tgtgcttaat ctgtcccaac   1440
taaaatggag cttataaact tacttagcaa ggaacctcaa ggagggctcg ttcttaacca   1500
tttgcaagtt gcctctgaaa agagcggccc tccgcatttg tgcctcagca gcgtgtttct   1560
taccactctc tgtcaactga aagagtgcca gccaggatat cttcctcttc tctaaacact   1620
cgaggattgc tgcacaaacg tggaaagcct ttggcaggtc tgtggtgctc tgtaaaccgc   1680
aggagaccaa ccctgagaat ggccgacctg gtgctcccat gggtaggagg gtacagccct   1740
cagcacagaa gagggcattt cctctttgct tattgtaagt cttaaaactg gtgacagttt   1800
tacctataga aggtaatact gggcctctgg acagaagagg ctcaggtagg aggccaggga   1860
cttcgagcac ccacaccaag gctgctgcac cacgtcctca aataagacat taaaagaaag   1920
gcccacaggc cggatgcagt ggctcatgcc tgtaatccca cactttggg aggccgaggt   1980
cggcggatca ctgaggccag ttcaagacca gcctggcaat atggtgaaac cccgtctcta   2040
ctaaaaatac aaaaattagc cgggtgtgac agactcacgc ctgtaatccc agctactcgg   2100
gaggctgatg caggagaatt gcttgaaccc aggaggctga ggttgcagtg agctgagatc   2160
acaccactgc actccagcct gggtgacaga gtgagacccc catctcaa             2208
```


<210> 3137

<211> 2668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2643)...(1592)
<223> similar to gi3924708 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3137
ttccatttaa ggagctttct gcatccactt tatttagcca gagagggaag gggttgacat   60
aaacgaaaaa gtggatcaaa tagtcaagaa catgatgggc gcggcaatga actgaaccac   120
ttttgctaag tgacagaaaa atattctaat attaaggatt attttacaac tctatggaag   180
taatgcagtg atgcatcttg catctgtttt gtcttgatga caaaacgcac tcttagagtc   240
acaagatcct gccttgtgtt agttataaac aaaaatatat ttatatatat atatttatgt   300
aactactatg tgctttaaag aaaattactg tatgattcag caggggtttt tcattctttc   360
tatcgccatg ctgacgtgaa tggcttctta gacaggaatc agcaatgaaa tgggtgttta   420
gtactgaaaa ggcataaaat taaaaataat catatgttta aaatcccttaa acatttttgt   480
ttcaaaaatg attaaggaac tcttcatact gtttcctttt gtttccatca gcccagagca   540
actgtggttt catgggactt aacagttggg gattggaggt aaggcttcca taaagcataa   600
atcagatgtt ttcatgctga ggcaggaaaa cagaaagccc cgtttgccac cccctcttcc   660
caaatcctta gctaattgtt cggaaatttt gtcacagctc atagaaaggt cattcattac   720
aaaggaagag gcagacatgg tttgaacctc ctgtacggat aaaaagattc gttctgtaaa   780
gtgatgaact tgttggtaca gatggatcta gaccagaaaa acaacatcct tttgccacac   840
atctgttttg aaaatgtaga aaatctctta ttttgtgttt gttctcactc ttgcatgggc   900
tgtttttctt agcaatcttg agacattcat cattgctctt ttgagtgaaa gggttcaggc   960
tttggaaaac agttatcttt gagacatcag agaacatttg aaccaaaggt gtcgatccct   1020
catgaactaa agctttatta tgattttttt tttctgatcc ctttgcaacc ctgcacctaa   1080
gccaaaagca ttataatctt gtcatacttc agataagtcc acgggagatg ttccgagtga   1140
actatagatg acattccact agggaattct atgttcagtg taaatggtat cttgtataag   1200
ttttagtttt ttgtttaccc tttgtttcct gggctgagct tgtccagaaa tcttgtcttc   1260
ttcaggctac agcagcttag agcttgtttg tgtgtgtgtt tgtttgtttg tcttaaaggt   1320
ataggcaaaa ttttagtctt aacacctgta aaccagtact ggtgttgttc tgtcctagaa   1380
attttagcac tgctctgata caataaagcc ttctttctct ccaactggtt caacttcagc   1440
ataggcagga tgtccagagc ctcttctaaa cttcatcgca ggccatctgc ttgggcgtct   1500
ctcaataaag aagatgctgg ctgctgatgt tgggtggtga tacatataga ctgtcacaag   1560
aatggctgtg gctacaatga ggaccaggat gaggattcca acgatgaggc cagcgtggag   1620
ggttcccct ttcttctcag ctgcactgtc atctgtagaa gctccattat cttttagatg   1680
tagtgctatc ttggtatcat cttctgtagg gaggctggtg ggaaactgag aagtcactgc   1740
tcttctggtg gtagttagga ccctgaactg ggtggttgtc gctcctatgg ttgtggtggt   1800
tcgagaagaa gtttccactg gttctgtatt ctcacacatc ttctcttttg actcttcagg   1860
gcatccactg tccacccagt cctgccgatg acgatcaaat ccactggaac atctttgaag   1920
tttactacac caactgcagt tgaagccaat ctgagaagat acacaggggc cacatctgtt   1980
aaactggagg catgtgggta atgggtcat ctccacagcc gaaatgttgg taattttga   2040
catttgtagc tctactcggt ggtattcata aattgttctt cttcgaacat tgggaatttg   2100
ttggatcctg tggacaacga caaatgcatc ggacagtccg actttcactg gatgattggt   2160
tgaacttatc tgtgtgacca agacaggaat ttctttgtat ccaaagatga ttcgtccatc   2220
catgagcagg gttgcctgga atgtgaagct tcccaggtta taattatcct ggagatgtac   2280
atggtcccac tggaccacaa gtgctgtgcc attatcaaaa tatctgacag ttgaatttct   2340
ggatacactg ggatcgaaat ttgccattaa aggtgctatg tactgtgtgg ctgttagcat   2400
tcgatgtacg acttctccag tgtatatgaa accccggtt gccacagtga tttcacgtag   2460
gaagtggcca taaaatggaa aatcgaagga cagattcact cttgcagctt gccgatgagt   2520
attggacaat attccatgaa tcttcacttt atctttttcc atttggtcta tgttcaccca   2580

```
taaatcccgg ctggcagaat cagatggacc atatattcga gatatatagt aattgtggtc    2640
tgtacggacg cgtgggcgga cgcgtggg                                       2668
```

```
<210> 3138
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (650)...(326)
<223> similar to gi339776 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 3138
gtggaggaac tcatactgtc ttataactca gtattttaaa ccgataacac tgattgcata     60
aacaaacaag caaacaaaat gaaaacttat gcaaatgtta actttgtttc cctgcttttt    120
aactctttgt tgtttctctt tatatcttac tgtaccatgt cttgaaaagt tgttgtagct    180
actatttttg gttggttcat cattttgtct ttccacttaa gagtagttta cacaccacaa    240
ttacagtgtt ataatattct gtgtactttc tattactggt gaattttgta ccttcagacg    300
atatcttact gctcattaat gtcttctttt agatggaaat aaagtattta gtatttcttg    360
tcagacaggt ctggtgttga tgaaatccct cagcttttgt ctgggaaagt atttctcctt    420
cgtgtttgaa ggatatttt gctggatgta ctattctagg gtaaaagttt tcttccttca    480
gcacttgaaa catgtcatga cactctctcc tgacctgtaa ggattctagt gacaagtcta    540
ctgccagata tattggaacc ccattatatg ttatttgttt cttttctctt gctgctttta    600
gggtcctttc tttatccttg atgtttggca gtttgattat taaatgcctt gagat         655
```

```
<210> 3139
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1549)...(1173)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 3139
ccaggcccct gccccgtgca ctccctgagg tcacagggcc ctgcccagcc gcccactgtg     60
cctcgtggcc atggcctgct cctggcccta gtctgacttg tccctgcccc caaccctctc    120
cccagctcag ctcccactgg acaccttca cggttcccaa ggccagccag ctgcagcagt    180
gacgcctgga aggacatctg gtggtcctta ggggagtggc ccctcctgag ccctgcgagc    240
```

```
agcgtccttt tcctcttccc tcaggcagcg gctgtgtgaa ccgctggctg ctgttgtgcc    300
tcatctctgg gcacattgcc tgcttccccc cagcgccggc ttctctcctc agagcgcctg    360
tcactccatc cccggcaggg agggaccgtc agctcacaag gccctctttg tttcctgctc    420
ccagacataa gcccaagggg cccctgcacc caagggaccc tgtccctcgg tggcctcccc    480
aggcccctgg acacgacagt tctcctcagg caggtgggct ttgtggtcct cgccgcccct    540
ggccacatcg ccctctcctc ttacacctgg tgaccttcga atgtttcaga gcgcagggcc    600
gttctccctc gtgtcctctg accccacccg ccccttcctg ccctgtttgc gcagggacat    660
cacccacatg ccccagctct cggaccctgc agctctgtgt cccaggccac agcaaaggtc    720
tgttgaaccc ctccctccat tcccagttat ctgggtcctc tggattcttc tgtttcttga    780
atcaggctct gctttccccc tagccactac aggcagcctc tgacagggcc gctttacttg    840
cattctgcag caattacatg tgtccttttg atccttgccc aacttcccct ccctctccca    900
gctcctggcc cctggcccag ggcccctctt gctgttttta cctctgttcc ttggggccta    960
gtacccagca agcacccaaa tgggggaggt tttgggatga gaggaggaaa cgtgtatacc   1020
tgtaacatct ggtggctctt cccccagaag tttgtgttca tacataattg ttttccacgc   1080
tggatcataa tgtgacgtgc agttctgccc tgtgctgggg agccacatga agcttcccct   1140
ggctaacttg ctaccccgca gcaatcccag tgtggctgtc tgcttgctaa aaaatggatc   1200
tgtgctcatc tgtattgatg tccttggagt tctacaagtg gaacttaagt gtcaaaaaga   1260
atatgtggtt tttagctgag cgtggtggct cacacctgta atcccaggac tttgggaggc   1320
tgaggcagga ggattacaag gtcaggagtt cgggactagc ctgtccaaca tggtgaaacc   1380
ctgtctttac taaaaatgca aaaattattc tgggtgtggt ggcgggcatc tgtaatccca   1440
gctatttggg aggctgaggc aggagaatcg tttgaacccg ggaggcggag gttgtagtga   1500
gctgagatct caacactgca ctacagcctg ggcgacagag caagactcc               1549
```

<210> 3140
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (44)...(629)
<223> similar to gi470322 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3140
```
cccaaccgga aaaaggttaa caccctgtaa atacacaatc tctcctccat ttcaccatcc     60
tcctgtttag accatcccca ctgccctatc tataccacca ccctgtctac accagcacca    120
ctaccccatg tataccacca ccccgtctac ataatccacc cgtgtacacc acaatgttcc    180
ctttgtctgc accgtcctcc tgtctacact ggcaccactg ccccagctat accaccaccc    240
cgtctacata atccacccgt gtacaccaca atgtcccctt cgtctgcacc gtcctcctgt    300
ctacactggc accactgccc catctatacc accaccgtc tatacaatcc acccatctgt     360
ctacaccatc gcctctcctc tgtctacacc atccttctgt caacaccggc accactgccg    420
tatctatatc cacccatcta caccatcacc tcccctgtgt ctacaccatc ctcccatcca    480
caccagcacc accaccccac ctacaccatc ccaccatcta cgccattgcc aaatctacac    540
agacgacctc actcccatcc acgccttcac acgcacaccc gtccacacca ccatctcccc    600
```

```
cgtgtccgca cggcggcccc gctccatcgg cccgagaaca gcgacggtgg ctttgtccca    660
cgcgtcgggt ctggcccggn gtgcccgagg agctcaggga ccgtgtagcc cggtgtgcgg    720
cccct                                                                 725
```


<210> 3141
<211> 1834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (161)...(440)
<223> similar to gi1742787 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3141
```
ttgcagtgag ccaagatcac accactgcac ttcagcctgg gcgacagggc aagactgtct     60
cggaaaaata aaagaaagaa gatgctgata tgctacaaca cggatgaacc tggaggacgt    120
ggtgcagtga aataagctgg tcacagagag acaaatcctg ggtgatccca cttacatgag    180
acaggccgac ggtcgcaagg tcctacggtc aagcatccgg gagtttctat gcagcgaagc    240
catgttccac ctgggagtcc ccaccacacg ggccggcgcc tgcgtcacgt ccgagtccac    300
ggtggtgcgc gacgtgttct atgatggttt ggatcctttg agatttttaa gtctgcagat    360
gagcacacag ggcgtgcagg ccccagcgtg gggaggaacg acattcgagt gcagctgctc    420
gactatgtca tcagctcctt ttaccccgag atccaggctg ctcatgccag cgacagcgtg    480
cagagaaatg ctgccttctt ccgggaggtg acgcggcgca cggcgcggat ggtggccgag    540
tggcagtgtg tgggcttctg ccacggcgtg ctcaacaccg acaacatgag catcctgggg    600
ctcaccatcg actacgggcc cttttggcttc ctggacaggt acgaccccga ccacgtgtgc    660
aatgcctccg acaacaccgg ccgctacgcg tacagcaagc agcccgaggt gtgcaggtgg    720
aacctgcgga agctggccga ggccctgcag ccggaactgc ccctggagct gggggaggcc    780
atcctggccg aggagtttga cgccgagttc caaaggcact acctgcagaa gatgcgcagg    840
aagctgggcc tcgtgcaggt ggagctggag gaagacgggg cgctggtgtc caagctcctg    900
gagaccatgc atctgaccgg tgccgacttc acaaacacct tctacttgct gagctccttc    960
ccagtggagc tagagtcgcc aggcctggcg gaattcctgg ccaggctgat ggagcagtgt   1020
gcctccctgg aggagctgag gctggccttc cggccccaga tggatccccg gcagctatcc   1080
atgatgctga tgctggcgca gtcaaacccg cagctgttcg cgcttatggg cacccgggca   1140
ggcatcgcca gggagctgga gcgtgtggag cagcagtctc ggctggagca gctgagtgcg   1200
gcagagctgc agagcaggaa ccagggccac tgggctgact ggctacaggc gtacagagcc   1260
cggctggaca aggacctgga aggcgctggg gacgctgccg cctggcaggc tgagcacgtg   1320
cgcgtgatgc acgccaacaa cccgaagtac gtgctgagga actacatcgc gcagaatgcc   1380
atcgaggctg ccgagcgcgg ggacttctca gaggtgcggc gggtgctgaa actactggag   1440
accccttacc actgcgaggc ggggggccgcc acagacgccg aggccacgga agccgacggg   1500
gcggacggca ggcagcgctc ctacagcagt aagcccccgc tctgggcagc agaactgtgc   1560
gtgacatgat cttcgtaacg acctcggcac gatccacacc cctggagtct cccgaggccc   1620
ccatgtgctg ctgagtggcc aagatgatgc caggctgccc tatacactgg gggattctgc   1680
cctggcccat gcacacccgt ctttccatga tggcagagac atccagtcag gacctgaccc   1740
gtctctgtct gaggccggct cagcagtgca gcctggtccc tggggctgg acccaggctc   1800
ctaaataaac cagcaactcc ctcgaaaaaa aaaa                                1834
```
```

<210> 3142
<211> 3263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3266)
<223> similar to gi4731861 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3142
```
atggacttgt acagcacccc ggccgctgcg ctggacaggt tcgtggccag aaggctgcag      60
ccgcggaagg agttcgtaga gaaggcgcgg cgctcataga ggccgcctgg ccgctgctct     120
gagggagcgc gggggccgcc tcggtgctgc tgccccgcgg gtgctgaaaa ctgtcaaggg     180
aggctcctcg ggccggggca cagctctcaa gggtggctgc gattctgaac ttgtcatctt     240
cctcgactgc ttcaagagct atgtggacca gagggcccgc cgtgcagaga tcctcagtga     300
gatgcgggca tcgctggaat cctggtggca gaacccagtc cctggtctga gactcacgtt     360
tcctgagcag agcgtgcctg gggccctgca gttccgcctg acatccgtag atcttgagga     420
ctggatggat gttagcctgg tgcctgcctt caatgtcctg ggtcaggccg gctccggcgt     480
caaacccaag ccacaagtct actctaccct cctcaacagt ggctgccaag ggggcgagca     540
tgcggcctgc ttcacagagc tgcggaggaa ctttgtgaac attcgcccag ccaagttgaa     600
gaacctaatc ttgctggtga agcactggta ccaccaggtg tgcctacagg ggttgtggaa     660
ggagacgctg cccccggtct atgccctgga attgctgacc atcttcgcct gggagcaggg     720
ctgtaagaag gatgctttca gcctaggcga aggcctccga actgtcctgg gcctgatcca     780
acagcatcag cacctgtgtg ttttctggac tgtcaactat ggcttcgagg accctgcagt     840
tgggcagttc ttgcagcggc acgttaagag acccaggcct gtgatcctgg acccagctga     900
ccccacatgg gacctgggga atggggcagc ctggcactgg gatttgcatg cccaggaggc     960
agcatcctgc tatgaccacc catgctttct gagggggatg ggggacccag tgcagtcttg    1020
gaaggggccg ggccttccac gtgctggatg ctcaggtttg ggccacccca tccagctaga    1080
ccctaaccag aagacccctg aaaaacagca agagcctcaa tgctgtgtac ccaagagcag    1140
ggagcaaacc tccctcatgc ccagctcctg gccccactgg ggcagccagc atcgtcccct    1200
ctgtgccggg aatggccttg gacctgtctc agatccccac caaggagctg gaccgcttca    1260
tccaggacca cctgaagccg agcccccagt tccaggagca ggtgaaaaag gccatcgaca    1320
tcatcttgcg ctgcctccat gagaactgtg ttcacaaggc ctcaagagtc agtaaagggg    1380
gctcatttgg ccggggcaca gacctaaggg atggctgtga tgttgaactc atcatcttcc    1440
tcaactgctt cacggactac aaggaccagg ggccccgccg cgcagagatc cttgatgaga    1500
tgcgagcgca gctagaatcc tggtggcagg accaggtgcc cagcctgagc cttcagtttc    1560
ctgagcagaa tgtgcctgag gctctgcagt tccagctggt gtccacagcc ctgaagagct    1620
ggacggatgt tagcctgctg cctgccttcg atgctgtggg gcagctcagt tctggcacca    1680
aaccaaatcc ccaggtctac tcgaggctcc tcaccagtgg ctgccaggag ggcgagcata    1740
aggcctgctt cgcagagctg cggaggaact tcatgaacat tcgccctgtc aagctgaaga    1800
acctgattct gctggtgaag cactggtacc gccaggttgc ggctcagaac aaaggaaaag    1860
gaccagcccc tgcctctctg cccccagcct atgccctgga gctcctcacc atctttgcct    1920
gggagcaggg ctgcaggcag gattgtttca acatggccca aggcttccgg acggtgctgg    1980
ggctcgtgca acagcatcag cagctctgtg tctactggac ggtcaactat agcactgagg    2040
acccagccat gagaatgcac cttcttggcc agcttcgaaa acccagaccc ctggtcctgg    2100
accccgctga tcccacctgg aacgtgggcc acggtagctg ggagctgttg cccaggaag    2160
cagcagcgct ggggatgcag gcctgctttc tgagtagaga cgggacatct gtgcagccct    2220
gggatgtgat gccagccctc ctttaccaaa ccccagctgg ggaccttgac aagttcatca    2280
gtgaatttct ccagcccaac cgccagttcc tgcccaggt gaacaaggcc gttgatacca    2340
tctgttcatt tttgaaggaa aactgcttcc ggaattctcc catcaaagtg atcaaggtgg    2400
```

```
tcaagggtgg ctcttcagcc aaaggcacag ctctgcgagg ccgctcagat gccgacctcg    2460
tggtgttcct cagctgcttc agccagttca ctgagcaggg caacaagcgg gccgagatca    2520
tctccgagat ccgagcccag ttggaggcat gtcaacagga gcggcagttc gaggtcaagt    2580
ttgaagtctc caaatgggag aatccccgcg tgctgagctt ctcactgaca tcccagacga    2640
tgctggacca gagtgtggac tttgatgtgc tgccagcctt tgacgcccta ggccagctgg    2700
tctctggctc caggcccagc tctcaagtct acgtcgacct catccacagc tacagcaatg    2760
cgggcgagta ctccacctgc ttcacagagc tacaacggga cttcatcatc tctcgcccta    2820
ccaagctgaa gagcctgatc cggctggtga agcactggta ccagcagtgt accaagatct    2880
ccaaggggag aggctcccta cccccacagc acgggctgga actcctgact gtgtatgcct    2940
gggagcaggg cgggaaggac tcccagttca acatggctga gggcttccgc acggtcctgg    3000
agctggtcac ccagtaccgc cagctctgta tctactggac catcaactac aacgccaagg    3060
acaagactgt tggagacttc ctgaaacagc agcttcagaa gcccaggcct atcatcctgg    3120
atccggctga cccgacaggc aacctgggcc acaatgcccg ctgggacctg ctggccaagg    3180
aagctgcagc ctgcacatct gccctgtgct gcatgggacg gaatggcatc cccatccagc    3240
catggccagt gaaggctgct gtg                                            3263
```

<210> 3143
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (729)...(38)
<223> similar to gi180715 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 3143
ggggaggcag gaggaggcta cagacggtct caagagggag gcccagccag tcccgcggcc     60
cctgacaccc catcagggcg ctcaggccca gcagctccgg ggaggacgcc ggcgaggacc    120
ccaccacgtt tgctgcccac cctctgccca gtgaccccg tctcttggcc actgtgacca    180
acgcatacct gggcacacga gtgtttcacg acacgctgca cgtgagcggc gtgtacaatg    240
gggctggcgg ggacacgcac cgggccatgc tgcccacccc cctcaacgtc cggctggaag    300
cccctgcagg gatgggggag caactgaccg agacctttcc cctggacacc aacacaggct    360
tctttcttca caccctggag ggcccccgct tccgggcctc ccagtgcatt tatgcgcatc    420
gcacgctgcc ccacgtgctg gctttccgag tgtccatcgc ccgcctggcc ccggggagcg    480
ggcccatcac gctgctcctg cggtcagcct tctccccaga aagcccagac ctggacctgc    540
atcagggtcc tgacttccag ggagcccggt acctgtatgg ccacaccctc accctgagc    600
agcccggggg gccacagcaa gaggtacaca tgctgtggac accagcaccc ccagacctga    660
cccttgggga agctgcgcca ggccctgcgt ggctcacact aaactacctg ctcagtgccc    720
tgccccggcg cgcggccg                                                  738
```

<210> 3144
<211> 1879
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (10)...(979)
<223> similar to gi3319425 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters


<400> 3144
cccgcgctgc aggaattcgg cacgagtggc agcggtggag gcggcagcac aggaggagga      60
ggaggaacag caggaggagg aactcaaagt actgctggcc ctggagggat atctcagcac     120
ctgacttaca catcttacat cctcaagcaa actccccagg gcacattttt agttggccag     180
ccatcacccc agacttctgg aaaacaactc accactgggt cagtggtcca aggaacactg     240
ggagtcagca catcttctgc acaaggacaa caaacgctaa aagtcatctc tggacagaaa     300
accacattgt ttacacaggc agcccatgga ggacaggcat ctctaatgaa aatatccgat     360
agcaccttga agactgtgcc agccacctca cagctctcga agcctggaac cacaatgctg     420
agagtagcag gaggggttat cacaactgcc acttcccctg ccgtggccct ctcagcaaac     480
ggtcctgcac aacagtctga aggaatggct cccgtgtctt catctacggt cagttctgta     540
acgaaaactt ctgggcagca gcaagtgtgt gtgagccagg ccaccgtggg aacctgcaag     600
gctgccaccc ccaccgtcgt cagcgccacg tccctcgtgc ctacaccaaa ccccatctct     660
gggaaagcca cagtatccgg actgttaaag attcactcca gtcagtccag tccgcagcag     720
gccgtcctga cgattcccag ccagctcaaa ccactcagcg taaacacatc tggagggggtg     780
cagacgatcc tgatgcctgt gaataaagtg gttcagtcat tttctaccag caagccacct     840
gccattctgc ctgtagctgc cccaactcca gttgtcccca gctctgctcc agcagctgtt     900
gcaaaagtga agactgaacc agaaacacct ggaccgagtt gcctctctca ggagggtcag     960
acagcagtga aaacagaaga aagttctgag ctgggaaact atgtcattaa gatagaccat    1020
ttagaaacta tccagcaact cctaactgca gtagtaaaga agattccatt aatcactgca    1080
aaaagtgaag atgccagctg cttttctgca aagtctgtgg agcagtacta tggctggaac    1140
attggaaaaa ggagagccgc tgagcggcta agagcaatga caatgcgaaa agtcttacaa    1200
gaaatcctgg agaagaatcc gagatttcac cacctgactc ccctcaaaac caagcacatc    1260
gctcactggt gccgctgtca tggctacacc ccaccggacc ctgagagcct gaggaatgac    1320
ggggactcca tcgaggacgt gctgacccag atcgacagcg agcccgagtg cccatcatca    1380
ttctcctctg ctgacaacct ctgccgcaaa ctggaggacc tgcaacagtt ccagaaaagg    1440
gaacccgaga atgaggagga ggtggacatc ctcagcctct ccgagccagt gaagataaac    1500
atcaagaagg agcaggaaga gaaacaagag gaagtcaagt tctacctgcc accaacccca    1560
gggtctgaat ttattgggga tgtcacacag aagattggga tcaccctgca gcccgtggca    1620
ctccacagga acgtgtatgc gtccgtggtg gaggacatga tcctgaaggc tacagaacag    1680
ctggtgaatg atatcctgag acaggctttg gcagttggat accagacagc ttctcacaac    1740
aggattccca aagaaattac agtgagtaat attcaccagg ccatttgcaa cattcctttt    1800
ctggactctt ttaccatcaa acacatggga atatcttatg agtgccattg agcggacttg    1860
ggtgccctgg ataaccacg                                                 1879




<210> 3145
<211> 900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (899)...(581)
<223> similar to gi3002527 in the genepept database release 114,

<400> 3145
```
ctaatacgtt gcatgcccgc gtaaacttgg gccccccag ggatccttta aaacggccgc   60
cccttttttt tttttttttt tctcaaatgt catttattag aaaatacaat tcccgagaaa   120
ggagatacaa gggattctgg gaagtgggaa gtaaacagta cacagatctc tttaaatcag   180
gagcatatag gtcataataa aatgagctac aggcacaaag ccagtaacac atttatggtc   240
cgttcatctg gaaaagtttc accgcccact ccccactcct cttccccctc ctggaagcag   300
ccagctttat ccttggcatt ttaattttag agaaaattta aacttccatg ctgccctgtg   360
gcttcggtca atggagcttc tttctccagt tatggaatga gtcagcaaaa cggggagttt   420
ctgatccttg gaattaggga gggacagttt acagaatgtc ctcatttcac tcttttccca   480
atcatgggaa atatccagcc aattctggtt ttaaagattc atatcaaatt caaagtccct   540
ccctcctttt ggcgaggaag acaacccttt agagcgaaac acaaagagc aaatgtaaaa   600
tccatctggg gcggggcatg gtggctcacg cctgtaatcc cagcactttg ggaggccaag   660
gcaggcagat cacgaggtca agagatcgag accatcctgg ccaacatggt gaaaccccgt   720
ctctactaaa aatacaaaaa ttagcttggc gtggtagcac atgcctgtaa tccccagcta   780
ctcgggaggc tgaggtagga gaatcgcttg aacccgggag gcagattttg cagtgagtcg   840
agatcatgcc actacactcc agcctggcga cagggcgaga ctccgtttcc aaaaaaaaaa   900
```

<210> 3146
<211> 1432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1413)...(53)
<223> similar to gi5917666 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3146
```
aaggggcctg gaggatatag ttctggtcct gctgggagac acgagggtca caggcatgga   60
gaatggagat ggaggggggag cccggtccgt gggccccaag agccgagccg gacgagggat   120
ggagtgggga gacgcaggag ggcggtgtct agggctgggg aatggagtcg tgtctggcac   180
cccggtgggg actgtattgg aaggcagccc agaatgggca gcggcgagga gtgaacacct   240
ggctgcaggt gacggcctgc aggaaggagg cgaagatggc cccagggaac caaagaggct   300
ttgccgaccc ccgggagagg aggaggtgga ctgggaaccc ctggccaaat tccgagcagc   360
ctgcgggcca gagctggcag acctggtggc tgaggagttg gcctttgcta ggcagcatgg   420
gacccggggt ttccactgga ccggagctgg ctttgccctt aaggacggca cctcggactt   480
cttcctggat ggggccctga cacgctgcag ctgctcaatt cacgccgccc gccgtctgcc   540
ctgcatgaca cctctttgca gcgcgcctcc tcactggggc tgccttattc cacatggacc   600
tgctcaggga ttgctggggg agagccccag agccctgacc cttcatgcct ctgcccacca   660
ccctccacca ggagggtcgg agggcattct tcgatcccaa agataatagg gctgaggcca   720
aggagaccgt tgcagtcccc ctggccacct tctgggtcat ccagggacct cctcatggca   780
gtttgcctct ctgggtccaa gggcaagctg taagtggtct ctgaggtcct ggagccacag   840
cttgggaagg tgttgatggg cagggtggat tctgagggct tccctctgga gaggaagcat   900
gtgatgagag gtgtagacag ggtcaggctg ggacagaagg aaggaaaggg gcagagctgg   960
```

```
ggggaggggg aggaagcgat catatgggga gtgtctggca agagtagact ggccagtcta  1020
gggagtgcag cggggagagg ggaaagggag aaagtacaga agacagatga aggagaggag  1080
gtaagcgaga aaaaatggaa aggggagccg gaaatggagg agagaggaca agcaaagaga  1140
cagaaatgaa gacatgagga aaagctgggg gaagcaggag aggaagggac gggatgtagg  1200
aggggggaaga aaaatcggag atgagacaaa agaaatgtgt gggagacggg tagagacgaa  1260
atgcaagggg cgtggttttg gttttctcc aagacctgga gacatcgacc cccatcgcct  1320
tctgaagaga gagggagggc gggcactggg ggtcaggaga gtctccagca ggggagggga  1380
attgtttgga ctattgttct tcaggattgg aataaaacaa tcttaatttg ga          1432
```


        `<210> 3147`
        `<211> 795`
        `<212> DNA`
        `<213> Homo sapiens`

        `<220>`
        `<221> misc_feature`
        `<222> (1)...(796)`
        `<223> n = a,t,c or g`

        `<220>`
        `<221> misc_feature`
        `<222> (795)...(665)`
        `<223> similar to gi188864 in the genepept database release 114,`
          `Run with FASTXY 3.3t00, default parameters`

        `<400> 3147`
```
ttttttttt ggaagatcac cctgctttat tgcctgggcc ttaaggtaat caggggtgtc   60
cctctccagc caggacctgg gattccgttt caggagctcg ggctgaacgg ccaccttcct  120
ggtgggtctg agccccagtg cctggtgtga aggggcagac gcccatgaca acagccaccc  180
cgcatgtccc ggcatgtccc ggcactgtgt gagccacatt tgctgaagtc tgggtcctgg  240
ccctggcagg gtgggctggg ctaggagatg acacagcagc agcagctgtg gcagcggcag  300
aagggggggc agtggcagca gtggcagcag gggcagcagc agcagtggtg ggcgatgtca  360
tccccgcgcc ccacgggcgg agggccagcg taggtcagtc cggcctggcg ctgactgctg  420
ctgtaggggt tgccaggctg ctgccaggcc tgctggttct ggatggggcc agcccctgg   480
ttaccttgg cgccttggg ccctgggacc tcggtcggct gcaagaggtg ggttggctct  540
ggggcacagg gccccactgg caggggctgc atctccgagg atgaggaaca ggtggaagcc  600
acctctaact gctgccccag gtcaggccgc aggtgagccc gggggatgct gatgtgggca  660
tatgggttct tgacgaccat ctcttggggg tccatggtcc agcctgtggt ggcaacacgg  720
cagtctgtcc tctcggtccg gacgcgtggg tcgtcccggg atttggnnnt ggcaanggtt  780
tccnaggtgt caaag                                                   795
```


        `<210> 3148`
        `<211> 805`
        `<212> DNA`
        `<213> Homo sapiens`

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (19)...(270)
<223> similar to gi1872200 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3148
tcttgctctg ccacccagac tggagtgtag aggcacgatc ttggctcact gcagcctccg   60
cctcctgggt tccagcaatt ctcctgcctc ggcctcccga gtagctggta ttacaggcac   120
ccgccaccat acccggctaa tttttgtatt tttagtagag acggggtttc accatgttgg   180
tcaggttcgt cttgaactcc tgacctcaag caatccaccc accttggcct cccaaagtgc   240
tgggattaca ggcatgagcc accgctcctg gctttcttta atgtaactta aataaaatat   300
aaggttttac tttatttgtg ctttttggaa atgtctcctg attttttaata acagtttatt   360
atgccttgta ccagcttttt tattaatata taaggtgccc actatattat accaattatg   420
ctgcttatat agttattcat atgcatctca aaaccttcct taatgtactt ntaatgaggt   480
aacaccatag gcanaattgc atctttntca ttatctgcca tttaatatct atagtttacc   540
aacgatgaca ctgcaagcat tgtgtcttct gatcgtgcca gtcgtggacg aagggagagt   600
gtggtatctg ccgctgatta tttcagtcgc tccaatcgta ggggaagtgt tgtctctgag   660
gtggatgata tcagtatccc agatttgtcc agcgtgagtg tattgcatgg ggtggttggt   720
tatgttgtcc caggcttgtg actaacagct aatatgttag ctattttata ataaaagtgg   780
gaacttgatt tattgtctta agaag   805

<210> 3149
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)...(466)
<223> similar to gi3875169 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3149
aacacgattt cgtccggtgc gaggccagag gtggggaagc catcggacgt cggcggtgag   60
gatcttctcc tgacccagca tcgctcatca caatgaagaa ccaagacaaa aagaacgggg   120
ctgccaaaca atccaatcca aaaagcagcc caggacaacc ggaagcagga cccgagggag   180
cccaggagcg gcccagccag gcggctcctg cagtagaagc agaaggtccc ggcagcagcc   240
aggctcctcg gaagccggag ggggctcaag ccagaacggc tcagtctggg gcccttcgtg   300
atgtctctga ggagctgagc cgccaactgg aagacatact gagcacatac tgtgtggaca   360
ataaccaggg gggccccggc gaggatgggg cacagggtga gccggctgaa cccgaagatg   420
cagagaagtc ccggacctat gtggcaagga atggggagcc tgaaccaact ccagtagtca   480

```
atggagagaa ggaaccctcc aaggggatc caaacacaga agagatccgg cagagtgacg    540
aggtcggaga ccgagaccat cgaaggccac aggagaagaa aaaagccaag ggtttggggga   600
aggagatcac gttgctgatg cagacattga atactctgag taccccagag gagaagctgg    660
ctgctctgtg caagaagtat gctgaactgc tggaggagca ccggaattca cagaagcaga    720
tgaagctcct acagaaaaag cagag                                          745
```

        <210> 3150
        <211> 869
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(870)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (112)...(810)
        <223> similar to gi155947 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 3150
```
tttcgtggag acgctacgct ggcgcaagag gttttttttgg aggcgctacg ctggcgtaag    60
aggcggcggg ggaggcgcta cgctggcgta agaggcggcg gtggaggcgc tacgctggcg   120
taagaggtgg cggtggagac gtttcgctgg cgtatgaggt ggaggtggag acgttacgct   180
ggcgtaagag gggcacgata caactgcagc tgcaataaac tggtccttat acctgttggg   240
gtctaaccca gaagtccaga aaaaagcgga tcatgaattg gatgacgtgt ttgggaagtc   300
tgaccgtccc gctacagtat aagacctgaa aaaacttcgg tatctggaat gtgatattaa   360
ggagaccctt cgcctttttc cttctgtttc tttatttgcc cggacagtta gtgaagattg   420
tgaagtggca ggttacagag ttctaaaagg cactgaagcc gtcatcattc cctatgcatt   480
gcacagagat ccgagatact tccccaaccc cgaggagttc cagcctgagc ggttcttccc   540
cgagaatgca caagggcgcc atccatatgc ctacgtgccc ttctctgctg gccccaggaa   600
ctgtataggt gttccaagcc attctgattc tccttccacc tactgcgaaa atgtcaaaag   660
tttgctgtga tggaagaaaa gaccattctt tcgtgcatcc tgaggcactt ttggatagaa   720
tccaaccaga aaagagaaga gcttggtcta gaaggacagt tgattcttcg tccaagtaat   780
ggcatctgga tcaagttgaa gaggagacga aatcgtcgac nnnnnnttcc ggnccggtnc   840
gtgcnggcgt agcggttctc tatgggagg                                      869
```

        <210> 3151
        <211> 1730
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature

<400> 3151
cggacttccc gggtcgacta cagcatcggc ggcggcggct agtgccgcta gcgcctcgag   60
cgatgcacct cctttccaac tgggcaaacc ccgcttccag cagacgtcct tctatggccg   120
cttcaggcac ttcttggata tcatcgaccc tcgcacactc tttgtcactg agagacgtct   180
cagagaggct gtgcagctgc tggaggacta taagcatggg accctgcgcc cgggggtcac   240
caatgaacag ctctggagtg cacagaaaat caagcaggct attctacatc cggacaccaa   300
tgagaagatc ttcatgccat ttagaatgtc aggttatatt ccttttggga cgccaattgt   360
agtcggtctt ctcttgccca accagacact ggcatccact gtcttctggc agtggctgaa   420
ccagagccac aatgcctgtg tcaactatgc aaaccgcaat gcgaccaagc cttcacctgc   480
atccaagttc atccagggat acctgggagc tgtcatcagc gccgtctcca ttgctgtggg   540
ccttaatgtc ctggttcaga aagccaacaa gttcacccca gccacccgcc ttctcatcca   600
gaggtttgtg ccgttccctg ctgtagcaag tgccaatatc tgcaatgtgg tcctgatgcg   660
gtacggggag ctggaggaag ggattgatgt cctggacagc gatggcaacc tcgtgggctc   720
ctccaagatc gcagcccgac acgccctgct ggagcacggc gctgacgcga gtggtcctgc   780
ccatgcccat cctggtgcta cccccgatcg tcatgtccat gctggagaag aaggctctcc   840
tgcaggcacg cccccggctg ctcctccctg tgcaaagcct cgtgtgcctg gcagccttcg   900
gcctggccct gccgctggcc atcagcctct tcccgcaaat gtcagagatt gaaacatccc   960
aattagagcc ggagattagc ccaggccacg agcagccgga cagtggtgta caacaagggg 1020
ttgtgagtgt ggtcagcggc ctggggacgg agcactgtgc agccggggag ctgaggggca 1080
gggccgtaga ctcacggctg cacctgcagg gagcagcacg ccaaccccag cagtcctggg 1140
ccccctggga gagtgctcaa cctacagtgg agggagactg acccattcac attttaacat 1200
aggcaagagg agttctaaca catttcgtac aaaaaaataa tcaagtgcat ttctgggcct 1260
tatgtggggt tgtcaaaact ccactcagca caattatgtg tgaagctgaa aaattgtaga 1320
gtgcccatgg ggtagaagta gaatcctttt atactttggt tcctttttta tttttatttt 1380
ttatcagaat caaatctgag ccttagtttc agctgaccag aagtggcagg aggacaggtg 1440
gaggcgagcc agattaggcc tggagttggg ctggtttggt ggccaggctg gtaaatttag 1500
gatattacaa tggccagccc agatggctcc ctgggctggc atggggaggg gagagaaggt 1560
ggtctgcacc ccacaggatg aactagccat gactagggtc ctcaggcagt ggcccaggga 1620
atcagggagc actggaggcc tctgcaagat tctgtgggca gctggctctg aatgtagcca 1680
gcccacatcc attccagagc tgcagaacca cgccctctga gtggaagccg   1730

<210> 3152
<211> 2299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2300)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2241)...(1227)
<223> similar to gi4324434 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3152

```
cctaaaagaa caaaaaaaag tgagagaacc attagatact cagtttcctg acagtaacag      60
aagaaaacag gactaagaac attcactaaa gctttcagtg tgggcagtct gtcagtaaaa     120
aggtaagtag tagggtcaga ggtatggcat tccacatacc agctctacca agaatgaaag     180
agcatacgga ctacagaaac ggacgtgtgt ccgtgattaa acttttttggc atcgctgtat     240
taatcccttt tgatgtatat aagttcagta tatgacaaat gtttcagttc cccccccca     300
aagaatccaa tcacaaccaa gacacacaca caaatcactt ctcagttaca catctgcatt     360
tctttaacaa aacagtaaga gatacaatca tagcgaagag gtcacccgca caatacatta     420
tcagcacact gtctagaaca cctcatttaa agacactcag taaaaacgta ttcacaggac     480
ctgctgtgaa tggcaagata tggtaatttt ataatagaag aactctgctc atgcagtact     540
ctccacacac cagacgtcgg aaatcacagc cacatcatca ccttgctcac acttccctat     600
tatactagat atgcaaaaag ccaaaaaaag cagcttttaa cattatatca ttatatcaca     660
attttgaaac atgggaaaaa ataaaaaaca aaaaccattg tgtggataaa atggtctccg     720
tgacattgag cagagtgtta tcttttttttt tttttacatt attgcacaga gatttctcat     780
caatgttctt cagtttttat gtcttttcct aaatgtgaat aagtgctatg gataaaatac     840
aaatgtagaa aataacagca gcatgatttg tcaaagttaa tccctataat ttagtaagaa     900
aaaatggata taaacaaaat aagtgctctt tctaaactgt actaaatttt ccaaaaatat     960
tggttttaaa tggcagtgaa ggtcctgaaa agcctattga aagcgatgct gagtcctggt    1020
tttcaaaagt gtcctggttt ggggtttcct tggtgaagag cagaatttca aggtgaagta    1080
atccgacgga ctaaatttaa aacaaaacag ccctcggctt cccctaattg ggcctgtgaa    1140
gggcaaccgg cttccgggga ncctggacc tgggaggcca gccgagtggt tgggggggtgc    1200
ctggcccca tctacacgta cacaggctgg cagccttcag tctgatccac cagatcagag    1260
ctttctaaat ctgagctctc agcctgtgaa gcttctgctc ctgaaggctt tgggcatcga    1320
aagggtagc cattgtcatc aaagaacctt cggaaggtga attcgtaaaa tgcgtgctca    1380
ggatgcttgt tattgggcga ggtgagtgtg tcccaggcct tggtgctaac cttcgctggc    1440
atcgttccaa gggctttctt catctacggg gtcgaaattc gaggtgtcca tggggtggct    1500
gatggtggga acgtaggggg ctggctgctt ccggatgtca ctggagaagt caatggcgct    1560
gaagaagggg tgggccttca ggtcatcggc cccattccgc cccaggcggt ggtctgcgga    1620
gcagcacagc ttggtgatga ggtccctggc ctcagggctc agcttcacct gggctggaat    1680
gtggagcgtg ttctcccagt tgatcacctt cagctgggtt tctgtgggag taggtgccaa    1740
aaagggcggc tgccccacca gcatctcgaa gagaatcact ccaacactcc accagtcaca    1800
gagttgagtg taccctttgc ggaggagcac ctcgggtgcg atgtagtttg gagtccccac    1860
cagtgaatgt gccaggcacc tctggtgctg cttccgcgcc ctctgctcta gggtcttcag    1920
cctctcccca caccgacagt tagacacatc atcccagagg tcgctgggct ccatgctgtc    1980
ctgtctgaca tggctccctt tctggtaata tttggaattg tgagtccacc tgaacccagt    2040
gcagaggccg aaatctgtga gtttaatgtg accatccaga tctatcaaaa tgttatcagg    2100
cttgatgtct cggtggatga agcccatctt gtggacactc tcaatggcca aagtcagctc    2160
tgcgatgtag aaccggccca ggtgctcagg gaagacctcc atccggatca gcaggctcat    2220
catgtcccca ccagggatgc ggacgcgggg tcgcccgggn ttccgnccgt gccagcattt    2280
cgggacctct tagcggccg                                                 2299
```

<210> 3153
<211> 891
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (209)...(723)

<400> 3153
```
tttcgtaagg cccaggggggt gtctgtcagt gggacgacct tgtttcccct ccacgtctcc      60
tctcatactt caaattactt ctcctatgca tttggagagc gggagagaaa aacaccagga     120
aggaggaggg aacaaagaaa ctctacaggc agagacacag gactgagccg cgttgggggc     180
actgggagga gtgagccttg gggttgcacc ctcggagccc cactgtcctg ggagcagcct     240
tcagaaccac cctttttgttc tctgaagtac caggcgttca gcttttccaa ggactggcag     300
ctgcacatct ttgtccctgc cccttccatc tctaggctca gccccgctgg gcaggctggc     360
ccactcccca cccctgccca gggccaaccc ctacttccca tgccccctct gcccacctgc     420
agcacactgg agccttgcag gccctctctg catcattcaa gatgcagact cctacacttt     480
gacctgcaca catcctcctg aagcttccac ttcctggccc ctgcctggct tctcacctcc     540
cccacctcag cccccccaggg gatgtgccgc ctctcccagt ggcccaggac atcctccact     600
tcccgggaac cccaggcact tccacatcct cagacacagt gagaagatga ccctctctcc     660
aagccaggaa gagacctccc gaggagccca gccagccagc acgctgacct ccaacgtcca     720
gcctctggaa atgtgagagg ccaacgtctg cgttgggagc cacgtggtcc cgtgggatct     780
ggcctggcgc taaagccgct gcgctcctgc cccgcaccag gatgtgggaa ctttgagaac     840
cgctgagagt cgagagatgt catcgaaacg acacccgata cgtgttccct g             891
```


<210> 3154
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (154)...(763)

<400> 3154
```
tttcgtagga tgcccagcca gccgagctcc gggcagtacc cgccctccac ggtcaacatg      60
gggcagtatt acaagccaga acagtttaat ggacaaaata acacgttctc gggaagcagc     120
tacagtaact acagccaggg gaatgtcaac aggcctccca ggccggttgc tgtggcaaat     180
tacccccact cacctgttcc agggaacccc acaccccca tgacccctgg gagcagcatc     240
cctccatacc tgtcccccag ccaagacgtc aaaccaccct tcccgcctga catcaagcca     300
aatatgagcg ctctgccacc acccccagcc aaccacaatg acgagctgcg gctcacattc     360
cctgtgcggg atggcgtggt gctggagccc ttccgcctgg agcacaacct ggcggtcagc     420
aaccatgtgt tccacctgcg gcccacggtc caccagacgc tgatgtggag gtctgacctg     480
gagctgcagt tcaagtgcta ccaccacgag gaccggcaga tgaacaccaa ctggcccgcc     540
tcggtgcagg tcagcgtgaa cgccacgccc ctcaccattg agcgcggcga caacaagacc     600
tcccacaagc ccctgcacct gaagcacgtg tgccagccgg gccgcaacac catccagatc     660
accgtcacgg cctgctgctg ctcccacctc ttcgtgctgc agctggtaca ccggccctcc     720
gtccgctctg tgctgcaagg actcctcaag aagcgcctcc tgcccgcaga gcactgta     778
```

<210> 3155
<211> 1176
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1060)...(362)
<223> similar to gi775239 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3155
```
cttgcgggtg agggaggccc aataacagcc agactccatc agttcagagg caggggctag     60
agatggattt aattcaactt aaaaagaaat acaagaatgg accttttctg cagtcctgag    120
ggagtggaca ggttgcgtgc gtgctctgac ggtgggatcc agacccctc ctctcctgcg    180
ttgaaggtgc caccgggcct catccccagc cacatcacat cctgagcctc ttacaggcag    240
gccccgaggt cctttcacct ttctcttctc tccagtgctt ggtgcatttt caaactcagt    300
acctttcttt tgaataaatg agcaagaata aacccggtgc tgcttgccga gctcctctcc    360
ctgggcgggg aactaaagca aaaccacgct ggatggggtc ccaaacaccc taagaaggcc    420
gagctcctgc cgctctccag cacgcgcacc gaagaccgga gggagggtct gtcgctctcc    480
tgcaggagca cgagtggagg gagggcctgc ggcgctccag caggagcatg aggagtggag    540
ggagggcctg tcactctcca gcacgcacac cgaggagtgg agggagagcc tgtcgctctc    600
cagcagaagc accaaggatt ggagggaggg cctgtcgctc tccagcagga gcacgaggag    660
tggactgccg gcccgtcact ctccagcacg tgcaccacgg agtggagaga gagcctgtca    720
ctccagaagg agcaccagga gtggactgcg gacccgtcac tatccagcac gtgcaccaag    780
gagtggaggg agggcccctt gctctccagc aaaagcacca aggatcggaa gtagggcctg    840
tcgctctcca gcacgtcccc ccccggcagt ggagggaggg cccgtcgctc tccagcatga    900
gcacccagag atggaggaag ggtcagccat ttgtcaggct ctgcgtgtga aaagctggga    960
tttcatttct tatcagttat tactgtcact atcactcagg atgaaattgg cctcacccgc   1020
tcaagaacaa tgctgccttc tccctgtcct cctcctggat tggtgaggaa aaagccagac   1080
taacctgttc cacaccttgg catcagttgc ataaatgcta tctcagcatg ttctagaaca   1140
cagtactgtt taaacaacgt tctgggggta accaag                             1176
```


<210> 3156
<211> 1867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1686)...(1277)
<223> similar to gi3878306 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
          <400> 3156
     ataatagaaa catgtttaat tatggagagt aaaacagaaa cgagaaaaaa caggtatcat      60
     ccatgtattt tatattcttt tctagaacaa ccaatctttta ttagaaagtt gtagtcacgt     120
     ttacaataaa tatcaacaat ataatgaaaa agtagaacaa attagtttcc aaatactgaa      180
     ctcctgtaac caaaacacat ttttggattt gggaaaacac agtaaacaca taccaaaaac      240
     acagccacaa ataccaaaaa caaaaaccag ctcaagtata ggattgaact ggctggaaaa      300
     cacttattgt gttactgcct taagaacccc acggagcacc ttgtagctca ttaactgcac      360
     attttcctta gggggggaaac aaggtcctct ctcagtcaca tatgcataag gaaatctcaa      420
     aacccaaagg ccatcaggtg gaagggtgat ttcttgtttt tctgggtaga ataccggaca      480
     tggtggtggg cctggctgaa cctgaggcat tagtattatc tggcaaagga ggcatcagga      540
     accacaacaa aaagcctcat aagttggagc gtaatgaggg ttttcagccc ttctaccttg      600
     agaggatgac agaatatata agggcatgtc actatttagg gcttttaaag ctgattcctt      660
     tggcccactt cccattactt tcattacttt gtcaggccca gagcacatga atctccgacc      720
     tcgagagtct tcatattcaa agcccacaaa agctcgagct atgtcatctc gccgtcttcc      780
     tcttcccatt acaaccgcac ttctctttcc aggaatagct ttatttggag caggccaaga      840
     gtttgtgtct aagtctcctt catcttcagc tctagtcctg atgacaatgt cccaaggcat      900
     aagataattt gttcctggaa taaagccctg ttggtccaaa cctgtatgaa agttataaga      960
     cttagcaggg cctagtttaa ccaaagacca gctggagaat ttgggtagga gacctttagg     1020
     gcaatttgaa tgtagcatgc ctgggagata ctcaactgtg gatgcctgtc gatcaacgaa     1080
     gtttggcctc ttctcagttt tcacttctac ttgaccatga acttctggat tatctcctcc     1140
     tgcttgtgga tcagctggat aggtacctaa gctatctgtg gattggccca aactcaaagc     1200
     taaactcagg ctcgtgctct ctccttgggt ttgaggttct ttttctttaa gtttatcagc     1260
     atccgaatct ggaggagcag gagaggattc atttttagca ggagcaggat ctggagtact     1320
     tggttcaaat actgggaaat tgatatgatc caattttcca caacactttt cttccagaag     1380
     ctgatagaag tcataattgg ctgctttgat atcaaaggga tcatctcgag gtgcttgttt     1440
     ccttccacag ttgcaagcac cagtagatcg agctcggcta ttgtgatata gcacaggcgg     1500
     atttctatca gcctctggtt tttctcctga tttaggtaat gagtgaaatt tgtgcacaca     1560
     gtgttgatca gttaaactcc tctcctcaca gagctgatgg ccattgctcc aaaatttgta     1620
     gcagtcctca tgtaactgca tggcgtattt gtgaaatgct ggacctatag catgttgact     1680
     gtacactcga agagcctggg caagctgatt cttatggaca gtcattgtgt aattatgagg     1740
     caaatttgac tggtaggcac tgtgggccat gggtaaagct ttttggcatc ggttttctga     1800
     aaattttggg tcaatataca aaaatctttc caagactttta atactgctta aaatcttaca     1860
     tgttagc                                                              1867
```

```
          <400> 3157
     aacgtggaaa ggcctttatt cgtagaggga atcttaaaga acatctgaaa attcattctg      60
     gtttaaaacc ctatgactgt aaagaatgtg ggaagtcctt tagtcggcgt gggcagttca     120
     ctgaacatca gaaaattcat acgggtgtaa aaccatacaa atgtaaagaa tgtgggaagg     180
     cctttagtcg tagtgtagac cttagaatac atcaaagaat tcatactggt gagaaaccct     240
```

```
atgagtgtaa acaatgtggg aaggccttta gacttaattc acaccttact gaacatcaga    300
gaattcacac tggtgagaaa ccctatgagt gtaaggtatg tagaaaggcc tttagacaat    360
attcacatct ttatcaacat cagaaaactc ataatgtaat ttaatataag aaaaggtttc    420
catgtcatgc tctatttata gaatatcaaa atatttatgg ccagaagttc tgtcaatgtg    480
ttgatgtttt tttacacata ttaacttaat aaatgtatga gtcttaaata cctcttagtt    540
ctcattaaat ttaggaaaat tcacactaga aaataaagct gttaatgtaa cagttgtgga    600
aaagtgttct agcaacagca tatacttatc atcattgcct ttccactact ctactatctg    660
tgtgatatta gacaaaatat ttgcttcttg gtacctcagc tgtaaaatga aacacaccta    720
aaagtgtggt tgtttccaac atgtataata cagcaacaac tatctggccc caaacctgct    780
ttggattaat attggatatt tactgttttt attatcatcc aacattatta ttagtggatt    840
tcttaaatag gaagatgcca atggagatga caaatttgga aaaacccact catcacttac    900
catttccatg aagtactttc ttttgataaa aatctgttat gggcctgaat gtttgtgttc    960
cccgtaacaa ttccctatgt tgaaaacacg aatcccaagg tgatggtatt tgaaggtagg   1020
gcctttagga ggaaattagg tcatgagggg tggagccttc atgagtggga attactgcct   1080
ttataaggaa gaagccaaag agccagctag ctcttttcaa ccacatgagg ttacagcaag   1140
aagtcagcag tctacagtgc aaaagagggc cttcaccaga acccaagcat gctggcacct   1200
tgaccttgga ctttcagcct ccaaaactgt gagaaataaa cctcagttgt ttataaaaaa   1260
aaaa                                                                 1264
```

<400> 3158

```
ttttcggtta tgatggcgag gaaagccgct ggtgggcttg gaggtcatca aaaaaaccac     60
ccatccccct accactacca tgcagcccac cactactacg acgcccctgc ctaccactac    120
aaccccgagg cccaccactg ccaccacccg ccgcacgacc accaggcgtc caacaaccac    180
agtccgaacc actacgcgga caaccaccac caccaccccc aaacccacca ctcccatccc    240
cacctgtccc cctgggacct tggaacggca cgacgatgat ggcaacctga taatgagctc    300
caatgggatc ccagagtgct acgctgaaga agatgagttc tcaggcttgg agactgacac    360
tgcagtacct acggaagagg cctacgttat atatgatgaa gattatgaat ttgagacgtc    420
aaggccacca accaccactg agccttcgac cactgctacc acaccgaggg tgatcccaga    480
ggaaggcgcc atcagttcct ttcctgaaga agaatttgat ctggctggaa ggaaacgatt    540
tgttgctcct tacgtgacgt acctaaataa agacccatca gccccgtgct ctctgactga    600
tgcactggat cacttccaag tggacagcct ggatgaaatc atccccaatg acctgaagaa    660
gagtgatctg cctcccagc atgctccccg caacattcac cgtgggttgg ccgtgggaag    720
gtttgccact tcattttgtt cattgtggga ttggggacaa aggccacccc aggagatgtg    780
ggcacaggct acttggatta cagtgcatcc tatgaagact g                        821
```

<210> 3159
<211> 1453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1286)...(851)
<223> similar to gi1938464 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3159

```
aaataaaaat ttctgtgttt gaggtatcac tgtaagacat gccaatatgg cacatttgta    60
aaacaaccca ggagtctatt ctaaaaatca caaccaactc agcatcatct ctgcagactt   120
actaacaggc tgaactaatc tctttataca agaagtattt taattattac aaaaacaaag   180
gaggcacgta ctaaaaattc tgcatttcat agaagagtaa aactttgtta gagatatttt   240
catgatcatc tacctgcaga caccattcat ttaaaaagtc ctagtcaaga ccattaagca   300
gctgcatctt ctacaacatt gaaaaaaaat ccctagagat ttaaaaaact gaagaatttc   360
actatcttta aaagatatta tattttagta cataaagcta ttaaatttct ctgtgtcaag   420
agcaaaacat tacccccttac cttgcttcat cattggaagg tggacacctg atccagcaat   480
actcattaac tgctaggtag atgacccatg ttgatggcag taaagccatt ttacaatgaa   540
cttatgaagt agtaacacta gccaaacaca cagagacaca aataccaaaa atgatgtgtt   600
tagtatacac aaatagctat acttggggca tggctatcaa gtaacaagac tgatttaata   660
ctttacagtt acagcacatt aaaaatatat tgccagaggg ataatggtcc caaatacgaa   720
aaatgtctat atggaaaagg ctgtgattta ttgcaaagca taatatatag caaattccaa   780
ggaagggcaa acacgtttta aaaacaaatt tttaaattta acgggcttaa gccaaagtct   840
cagttacttt ctggagaatt cagaactatt aggtgtagaa gaatgctttt ccttttttct   900
cttctttttt tccttttttgg gatgtttccc tttttttgat ttactctttt tttctttttt   960
cttttctttc ttctgatatt tttgtttctt ttgttttgaa gtgtcctctt cagtggaact  1020
ggatgagtaa gacctttttcc ttttttttt tcaatttgat tttttctttg ctttttttctt  1080
ttttctttttc ctcttcttca tttattcttt tttcctgtaa tgcctgcaat ttattcagtt  1140
cttcattctc ttcatcgcta tcttcactac ttgtactgct gacatccaaa actatgtccc  1200
ttttagggtc tactcggaga aaattgcggc attcaaaagt caggtgacca gggtagccac  1260
atttttaca gcctgctctg acactgtcct tgttgcaacc tgggactgcc atgacggtgg  1320
taagaggggt aactcgagcc tctggctttc gaaaggcgc ttgcttcccg ccagctgtga  1380
gaacaaggca cagtcaaagc ggcgttttcc ttccccagc gcagcagcac cctcgctacg  1440
gtcgcgtacg cgt                                                    1453
```

<210> 3160
<211> 2530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2521)...(1701)
<223> similar to gi4007865 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3160

```
tttttttttt ttgaaactcc aatatcttaa taatgcaaac atatttggat tgaagaatga    60
atgcatcaat gctaaagaat agcttacata tgttgtaaag caacaagcat atcttcaaga   120
agtgagtcct cctcaatatg actccatgct tattctacat gcctgaaaac tgggcccaca   180
cacaggggca cacgtacacg cacacaaacg cagatacgga cacacagata tgcagaccga   240
aatgctgaca ccatcgctct ctagattgga ttagctctca tttaaggctt cttaggtgcc   300
gcagtgcccc taatattacc aggattgaaa acagactttt aggaaggagc agcattactt   360
cgaaaagtag tcatctgctc ttgtcctcca atgtgtgtat tttaacaaat acaatttcat   420
tctatgttga ctctgtgttt ataatattta aagaaccatg aaattaagaa atctcaggat   480
tgttttagtg agaacttccc attcaaaata aaaaaaaagg gcaattctga ccctaagata   540
tcatcaattt tatgataacg caataagatt tccctttagg ttaagatgtc atgggtctct   600
agaccaagcc aagtttatct aactcattct gtatcttaag gtgcaatgct gagtgatggg   660
ggcaaggttt cctcggtgat accaaatcag atttgaagct tgccatcaag gatgcatcag   720
acaggaccat taattaaata agttaccata aatctcagct ggataaaagg agagttgaca   780
tagagtgtgt tcacttgctg atcacttatt cctctttgcc aaggcttctg ttgttggggt   840
tgttgtttta aactcctggt ttgtttgact gtttatttta tttgcttgat tgttttcttc   900
cttttggtgt cctgcaacat atgctgagat ttcatccctc taaggatgtt agaaggggaa   960
agagggtgga cagggcagca ggagggaaag ggaaggggtc attagtaatt gcaagtattc  1020
taagaaaata gatgaagtga atacaataag agggtactac ttggtatatt tatgtaaata  1080
aaagcattat ctgtaactgt gaattaactg ccaactatca ggttgttagt tgtaaagctc  1140
aataaaggct gtgctgattt gcatacagag gagggcatct gccgtgggag aggaacagag  1200
ggccctcccg agatgttcct tcctccctgc ggccagcgtc cccatcagca ccctgcccac  1260
cccactagag atcccatagg tgcccctaac attcttgtgg aatttcataa ggcagatcgg  1320
aatggcccat ccaataacag ctgcagagta tttgcctgag cgtggtgaaa actggcatgg  1380
agctctccca cagagaggca ttgggaaatg agaaaaataa gaagagagcc tagaaccttc  1440
caccccatcc acactcccac cctcctcaca gtcacagcag cagcaggttt caatgtaacg  1500
taattacttt aatgatacat ttctttagat ttagaattgc tcttctgaat ttaaaaacct  1560
tggtcagcca atagtttggc agtcttttca tcccaaattt gaaacgttgc ttactcatct  1620
attcccttga actccgtgac caatgctgcc tttgctgaag cgtctcaagt tcattcagcc  1680
atcatcggat tccaattcct gggaaacctc ttcggaggag ctgttgctgt ggatccgccc  1740
gtcgctcttc atactgtgga aagtcttcct gaaggcctcc atcatggcgt gggccagttt  1800
cttggcctcg agcttgctct cgcactccac ggcgtggcag tccatctggt aggacaggtc  1860
atcattgatc tccctgtaga cccaggcgaa gatgttgggg ctcacgttgt ggtcggcggt  1920
gcagtaggcg atgcgggcca cctggaaggt atccatgtgc actgtggcct cccctttgtg  1980
gtcgagatga tggagccaaa cttggaatgg ccggatttcc aggagggcat tggccggaaa  2040
gacatcctct cgggctagcg tgtgcttctt ccagagctca atgactggct tttctgtgca  2100
gcctgacaaa aactgcatgc cagtggtggg gactttgccc aggtaggtaa ccttgcagcc  2160
actgtgagtc cttgtcttca tcagcggtgt ggtcgtgcac agctcaatgg cctccggctc  2220
atggaagatg accgctggga gaggttcctt tttcagtgtt aagacattca atttagactt  2280
cagcatggtc tgaaagtgct gcaggcgctc cgtggccggc tgccacatct tccagccctg  2340
ggttttggca gaggagacgc tggcgagact gtcgatcgcg ccggggggcg aggggctggg  2400
gtcccgcttt acatctgggg tcggtgtccg cgggatgtgc gtcctggcgc tggccaccgc  2460
cgccgggtgg gcgtaggggg ctgcgagcag gaggaggcgc ggcgctcagc tgccggcaac  2520
ttgtacgaaa                                                        2530
```

<210> 3161
<211> 1214
<212> DNA
<213> Homo sapiens

<220>

1943

<221> misc_feature
<222> (1202)...(218)
<223> similar to gi1216486 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 3161
ttttattaca aagaactgta tcaaaatata caagtctgtt taagaacaac caagaaatgc   60
agctgtttaa gggacaaatg agaatcaacc gttagagagc aggcagcctc tccccgccgc   120
tgtccactgc aggagacggc atcctcaggg ccacattttc cacgggacat ccttctgaat   180
aatttaaagg gtaagtccgg cacattacag gtcttcgcgg gagggcagct gtgtcgggct   240
ttctccttct gtggcttcag cctctgccgg cggcacacag gcatcttccg tttcttcgaa   300
gccgtcagga cacacacaga cgtagctccc tggagtattg tagcagtttt cgttttttcct   360
cacacaggtt ttttctgcta gtgagcactc gtccacatct gcacactgtc cgtgctccct   420
cgcgtagcca gagatacact ctttacagtt tcctgggcct tcccctgtgc agcccacaca   480
gctggagtca cactcttcgc acgtgtagga gccgttggcg ttcttacaga actgcgcagc   540
gctgcaggga ggcggctcgg ccgcacactc gtccacatcc acacaggcgc cctcgtccag   600
cacccagccc acttcacact cgccgcagtc tctgttggtc aggcccgagc acgtcttgca   660
ggactcgtca caggctgtgc agatgctgtg ggtctcgttc cggagcgagc tgaagtagcc   720
gtccatgcag tcagtgcaca gcgggccctg gtaccccatg tggcaccggc aggacccgtc   780
gccctgtctg ctcccatctc cgctgcagtg gccattcccg ctgcagggcc tctgggatcc   840
gccctggcat gcgagacagt cgggaccgta ggttcctgga gagcagcaca ctttcagtgt   900
cttcacacaa aaccactcga ataagtcagg atattcgctc ttcagctgca gccaccaggc   960
ctccaggtgc tcctcctgcg cctctagcat ctgattgcat tcgaagtcgc tgctctcgca   1020
cagcccctcc aggatctcca gcaggcgaat ctcgctggac tcgtacttgg acagcgtctt   1080
ttcctcccaa gccgtgttcc cgccgccaaa gttcttcttt gcggtgtcca ccatcccctg   1140
gttaaacttg tccaccagcc cccggcaccg gtggcagggc gtcggcttct tggcggcctc   1200
cggcgcggac gaaa   1214

    <210> 3162
    <211> 1236
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1073)...(304)
    <223> similar to gi5853113 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 3162
tttttttttgt gatgcagcat caggtgcttt taaatcagat taattcacaa taagtgatat   60
tgcaaagggt ctgggggctg tacatgggca ggggcttggg gagctttgta catggggctg   120
ggaaacaagg gaccctccag gtggaagggt attttttaat aaaaaaaata atggagctac   180
aaccacccc tccccctcc ccgattaaaa agacacaaaa atagacgtct ctgaggtaaa   240
cggggagcct ggggcttaag ggtgtttaaa gggcttcaca ggtgccagag cttagaggtg   300
tcacaggcac cggggtggct cctgcatcag ttggtagaac agcacgtagc cctcgctgga   360
tgccacctgg ttttcactga caggggagac acgagagtca ttgtagacat gccaaccagt   420

1944

```
ctggcaccgg cacagggctg tgtagtggcc atagtggacg ctgcctgagt ggttgcaaag      480
ggcatacagc tggtatacag gacttccggc tttgtcactg gcaaagtccc ctaggctcag      540
tcgctgcagt ggaaagtcta cacctactga acttttttttg atggagcctc gggaggcaga      600
aaatcgattc agatggagca cgaggattcg agggaatctt tgtactgtca acttttttggt      660
acttcgagtt ttctgccgac atcggtcaca cactggggca ttctccgact ctagctcttc      720
ttccttagtg aaaaggttga aacaatcccg cagagacacc ttgcccccag caaatccttt      780
cttggggaaa aggggaagaa aggtcaacat gttctgaatt tccttttcca actcttctca      840
atcaatccag gcttcagttc tgctccagaa acccacaggg ttcccgccca cactctgggg      900
gtgggtaggc ttgggtcaca gagcccctgt cctgtccacc ccggaatcct ctggaatccc      960
accttgggga tgggcaggga caggtcacaa aaaacctcga aggtcgtgga gcgataccca     1020
caggcctggc acttgagaca acttttcaac tggcccacaa acaggtctag acagaagcac     1080
agggacagga gaaaaggtca ttgttggatg ttatgagatg atttcttgga tttccatctc     1140
ttcctgcccc tttgcttgac ccttcctttc ccactaccaa cactcctaat caactcttca     1200
cacagcttca catttgcatc atccagtctt gttccc                               1236
```

<210> 3163
<211> 1330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1274)...(421)
<223> similar to gi1389694 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3163
```
ttttttttttt ttggctatag agcatttatt gcaaacaaaa ttgaggtaaa agaagctgac       60
ccagaaccca cgcccgtcca ggctggggaa gtctctactc gccccacacc aggccccgag      120
caccgcgggc ccgaagcagc ccccagagga cagacgggcc ctgcgcactg aggtagctgc      180
atcttaagcc cccatgagta caactgccca gggctgccca attcccagag gggaggagga      240
gagagaggca ggcaggggga gccccggctt caggtggggg cacaccccac accctcaaca      300
aacctcccag cctctcgggc tgggcacttc ctgcctggcc acccagccag ccatgggca      360
gcggggtggc caccagaggc gggcgtgctg gggtgcgagg tcactgctgc tccaggcagt      420
cctcggtcac cccctgggca gccagctcag ccagcacgtt ctgcaggtag ttggggtcgg      480
gatagccgtg gcccgtaatg ttgcggtcca tctctgtctt gtggtggatc tcgttccata      540
ccacggtgtc cgtctcaccc gtggtgcttg acgtgcccca ctgtgaagat gagccgcctt      600
cttccaggcc caccttcagg agctcttaag gactttgcgg gccctgggcg ttgtctggaa      660
ggtagcactg ggcggggaaa ccctctggca gtgaaacggc tttccgggat tggggtgctc      720
agggccctgg ataccatggg gaatgctgta aactatgagg atggtcccgc agtcctcgtg      780
gccggggagc gacatctgga accgtaatac ctccatcttt ccctggggct gggtccccgt      840
cttctctcca tagatggttt tgcaggaggg acactgcaga cttccatcct tattgccgtt      900
gcagtacatg gccaggaggc acagcaggtg gaaggcatgg ctgcacttgg tgaggtggcc      960
cacagctagg gacccgattg ccttgctgtc agtcacatcg ctgtatccag acgctgtgga     1020
cagcttctcc atgcagatga tgcagtcctc atctggggggc actttcagct cttccgtgta     1080
gtttttttatg acctgctctg gctctggctc tggcttcggg gtcgcttctg cgagcgcctg     1140
ctggactctg ctgggctttg gcatctgcat gggcacagtg gcagggacgc tccctgggct     1200
gcttgaggga ccgctgggga gggaggcact gactgcaccg gaggtggagg atcctggggg     1260
caggtgctgc ggtcccaggt gggagaggct ggagcggtag aggggctggc tccccaggga     1320
aggaggagct                                                           1330
```

<210> 3164
<211> 1673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (245)...(1322)
<223> similar to gi2351568 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3164
aaaggaaagt ggaagttgga ttctgaaaga tcgaggtgcc cataggaatt ttatggtcgt   60
cggattttga agacttgaac tagactgggg gttctccttg catttcttgc ctgttgccta   120
tctttgtcct ctctcttccg gcttcgagat gaatgtgcag ccctgttcta ggtgtgggta   180
tggggtttat cctgccgaga agatcagctg tatagatcag atatggcata aagcctgttt   240
tctctacaga catgactttg tgaaggagcg agggaaactc atagggcccc agagtgtaag   300
agacgacccc cggatccagc actgccggcg catgggccag ctgcagagcg agcttcagta   360
caggaggggg gcgaccagca gccaagccca gttccatctg cccatggaca tggtgcacct   420
ggtccatgcc aagaatgccc aggctctggc cagcgaccac gactacagga cacagtatca   480
caagttcaca gcactgcccg aggacctgaa gatggcctgg gccaagaaag cccatgccct   540
gcagagtgag ttgcgctaca agtcagacct gatcggcatg aagggcatag gatggctggc   600
gctgagatcc ccacagatgg agagtgcaaa gaaggctgga gaactcatca gcgagaccaa   660
gtaccgtaaa aaaccagaca gtatcaagtt caccacagtg gttgactccc agacctggt   720
tcatgccaag aacagctata tgcactgcaa tgagcgcatg tatagatctg gagatgcaga   780
atccctgcac agatacaccc tgatccccga ccatcccgat ttcacccgag ctcgcctcaa   840
tgcgctgcat ctgagtgaca aagtctacag aaactcctgg gagcagaccc gggctggcag   900
ttatgacttc aggctggatg ccatcccctt ccagacttgc ccgggcatct tagggaattg   960
ccagtgattt ccggtacaaa gaggctttcc tgcgggaccg aggcctgcag atcgggtacc   1020
gcagtgtcga cgatgaccca aggatgaagc atttcctcaa cgttggcagg ctccagagtg   1080
acaatgagta caagaaggac tttgccaaga gtcggtccca gtttcacagc agcacagacc   1140
agcccggcct ccttcaggcc aagaggagcc agcagctggc cagtgatgtg cactacaggc   1200
agcccctgcc ccagcccacc tgcgacccgg agcagctggg cctcaggcat gctcagaagg   1260
cccaccagct gcagagtgat gtcaagtata aatcagactt gaacctgacc agaggtgttg   1320
gctggacccc tcctggctcc tacaaagtgg aaatggctcg gcgggctgcg gaactggcca   1380
acgcaagggg cctgggtctc cagggagctt accggggggc agaagcagtg gaggctggag   1440
atcatcagag tggggaggtg aacccagatg ccactgagat tctgcacgtc aaaaagaaga   1500
aggccctgct gttgtgagcc atgtccaccc tgattcctga gaggccagag aggaagtttg   1560
ttcaccagag acaggcttca gatggctttg atttcggcaa gctggaatgg cccaccagcc   1620
catcccagat cttcctttat taaaataata actctgaaag cagaaaaaaa aaa   1673

<210> 3165
<211> 2567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1764)...(0)
<223> similar to gi5917666 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3165
```
ctcgtcccac ctgacgagaa atacccacag gtgtggagag gcaggcccct ttcaggtgag   60
tctgtggctg ctctgcccaa agtcaaccct gatggggtga atgagggaag gggcagggtt  120
tacagcacct gtgctcatgg ccagccacgg ggtgaatgag gaaagggaca gggtttacag  180
caccagtgct catggccagc ctgtgaacca gggtgagctc caaacaaaat tccctcaaat  240
cccaaggaaa tgaggacgac agagaccata tgattagttc ttcatgaggt tatgtttact  300
acaaattttt attgttaatg tttctcatcc tgaaattatg ggatacagcc tagcagtttg  360
tcctcacttg gcagagtagg taaccctggc tctcacactg agcccccaag agtccttttg  420
gttttactgg tgtcagggat tacagtcagc aaaccccact catttacagg gtcaggtgta  480
cagggctgag ctggagggtt agggtcaggg cccctcagga aactctggtc tggcacagca  540
gcagcaggga tgccactctc cctttgtgga atccttctta atacaagagt gagaagcaga  600
agagcaaacc acaaaggaat tccagctcag accccaaagt acctgggaga gctgcaaaca  660
gccatggaga taagagaggc ggggagggaa cacagtgact gagtctgaga gacagcaaag  720
cacctctcca gcgaaagcca ctccgagatg cagcctaact tcctagtttg catcagcaag  780
atgagcaggc accaccatgg aaagagcacc tggggtgtag ctggttacca cagctcagcc  840
acattcccca gaaacggagg tcagccctcc atggcccagg aaaacatggg ggatgaaggg  900
ttggcacctg cagtgaccag atggagatac aatgcaggca gctgctacca tgcttggtga  960
ccagggtaca agcccctgat gagcttgcca tggcagccaa ggacactggt gccggaggaa 1020
cgacaggggc ctgcaaaggg acatccgagg aggggaagc aagctgggag caagaccagc 1080
ccagctaggt ttcagggcaa cagcaaagcc ccagagacat ggaggcagat gagtcaacct 1140
tgctgggtga gaagtgagct tgcactgcat agggcaagaa gaaggtggac cccactcctc 1200
caggaggctg acagtctcag ccaggtacaa tggagggtcc aggtcacaag gaagggggct 1260
atggtgagca tggatggaga aaggtaggct tgctgtgtgg aaggaaggag gaggggaggg 1320
gaagggtgag caaagtgggg ctgcaggcat caggctgtgg ctgatctgtg gtcagcctgg 1380
agctcagagg cagttctgga ttgacaggac acatggtgtg gccacacagg tgggggggaca 1440
gtgatcccat agtccccagg gagtgactgg gaggcagaag attggaacag gacagagaag 1500
ggcaaagaag cacatggctc atgctttaaa ggtgttttta tgccaagaca aggggggcgag 1560
gacctcatct tgaggtgaga agaagtcgtt gccctgccag tccagtggtt tgaacatgaa 1620
tccagcccag tggacaggga aggcccaggg agaggtgggt agggagggca tcctgcagag 1680
gctggggaca aggaggatgg cacagaatgc catcacagcc aggggagtct ggcagggctt 1740
ggcggaggcg ccaaagttac cagcaagcta gaaggcaaca actgatagcc ctcacaggaa 1800
ccttcttgtg tagacccaca gaagctccct atccctgcct gctttgcctg actctgaaat 1860
gccagacagg cccatttcta ggtctgttct cctgaaaata catctttggt gctgggtaga 1920
tcctgaatcc tgagaataca agtttctgct cctggataca cagtcacatg acccagaaga 1980
tcccagccca gtggctaggc caaggctgca gtccactcct tcatccacag cccgttctcc 2040
ccaagggtct cacttcatcg aaggcgcaga taacacagta gggtggcctc cactggtctg 2100
cccatgctca gcaaccatgg ccaggagtaa ctgccatctc cagggtgaga agcctcggtc 2160
ggaggagatg acacccactt agggttcaca gccccttcct gtgtcagttc caggaacctt 2220
ggatcacaga catggcctca cccagacaag gacacgaccg tgcagcctta agatgtcaga 2280
gtcccaagcg cggggagaag ggctgcaagc cacaggtggc cacgtctggg attcaccagc 2340
tgctctgctc agacctggct tctccagaca cgctgtggcc ccagctctgc ctggctctct 2400
agcacctggg ggagggggga ggggctgggc cttggtttcc ccgagagagt cccttttcaca 2460
catgggacca gccaacatga gctcatcagg tcacaggcag ccgcagcctc ctgccacaca 2520
ggaagaagat tcctgaccca caattatcat tgcaaaggag tattttg           2567
```

<210> 3166
<211> 1893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (284)...(766)
<223> similar to gi1055163 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3166
ctgaatccat ggaaaaacgc tttacaggac ttctgcttac cttttctcag aatcaccagc   60
cttcttcagc accacctttt tggggaagat ttacctagct gccaggaaga agaagaattt   120
tcagttcttg ccagctgcct gggacttctg ccaacgtttt accaaacaga acatccattc   180
atcagtgcct cctgtctgga ttggccagtt ccagcatttg atattataac tcattggtgt   240
tttgagataa aatcatttac tgaaagacat gcagaacaag gaaaggcctt gcttatccaa   300
gagtcaaaat ggaaattacc acacctacta cagttgcctg agaattataa caccattttt   360
cagtactacc acagaaaaac ctgtagtgtc tgcaccaagg ttcctaaaga tcctgctgtt   420
tgccttgtgt gtggtacttt tgtatgcctg aaaggacttt gctgcaagca acaaagttac   480
tgtgaatgtg tactgcactc tcagaactgt ggtgcaggaa caggtatttt ccttttgatc   540
aatgcatcgg taattatcat cattcgaggt caccgcttct gcctctgggg ttccgtgtat   600
ttggatgctc atggagagga agaccgggat cttaggcgag gcaaacctct ctacatttgt   660
aaggaaagat acaaagttct tgagcaacag tggatttctc atacttttga tcacatcaat   720
aaaagatggg gtccacatta caatgggctg tgactctcca cctcagcatt gcatcgtatc   780
atcattttcg ctacgaattt attttttcaac aataagcttt aacttaattt gggggattaa   840
cacttttgct gagggagaaa aagaaaacat acattatgaa gcctttccaa aattaggtgc   900
ttggtaatca cgttaatggt ataattttt tttttttaata tctggagaac attaataaca   960
agttaaatta ttctttagtg gtcatttttt aagtgcacaa ttaataagaa gcacaacttg   1020
ttcacaaact cattcagaaa tgattctccc aacaatgcat atcagctatt cattgatact   1080
tagagtgggt gtgatttatt tgacatttta ctgcttcttt ctgtctgtgt gttttaattt   1140
gcatctgcca agcataatgc atctttttc ctctgccatt cttgtgttga ttggagaatt   1200
tttctgtatg taattagaaa aaaatgtaaa acatgattta tgtgaaatac tgtatagtaa   1260
aagttggtct aatagtagaa ctttaaaatt ttttcttatt gtgaggaatc tgttaaaagt   1320
ttaaagcttt gctgaaaact gaattcattc tcaggaattt cataaatctt ctccccaggt   1380
aaataattga aatagctgta aaataagtag atagctgctg ttaatataat acagtacatt   1440
ttggggggca tatgtgtggt tggggggtcc ttaaaaatca aaatttgcca tttcagttgg   1500
atgaattact agaggtaata acaaatctta ctataaaatc aagaggttta agaacataca   1560
ctgggcagat gttgattccg tgcatgccca ccttttatta ccaaacaagg ttttgtttat   1620
atgattgtat tagaaatgct cagacttccc cagaaatgaa ccataaattt tggaacttcc   1680
tttcagctca agaggttcag ctatattgta tttgtgcagt ggtaatcact acctatttct   1740
ggctcgggtt tccctaaaag gaaaaaaaag gcggcagtgg gtgatgaccc tcatggaatg   1800
agccacgctt cctgcattcc tccttaggaa ctggctgtgg aaaaccaatt tatggtttgc   1860
aggggtttaa aaatccagta aaaatggggg atg   1893

<210> 3167
<211> 952
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(851)
<223> similar to gi168455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3167
accaccactc cagctttgca caaggagatt tgttctgatt tcacagtttc agtcaccacc   60
cctgtgccca agcaagaagg tcacctagac agcgagagcc caaccaatat cccactgaca   120
aagcaaggag gttccaggga tgttcagggc ccagaccctg tctgcagtca acccatccag   180
cctttgtctt ggcatggaag cagcctggat ccccagggcc caggcgacac cctaccaccc   240
ttgccatgtc acctcccaga ccttcagatt ccaggtacct cacctttgcc tgcacatgga   300
agccacctgg accatcggat cccagccaac gccccactgt ctttgtccca ggagctccca   360
gacactcagg ttccagctac cacacctttg ccctgccac aagtcctcac agacatctgg   420
gtccaagccc tcccaacttc acccaagcag ggaagcctcc cagacatcca gggtccagcg   480
gctgcacctc cacttccgga gccaagcctt acagatacac aggtccaaaa actcacacct   540
tcgttggagc agaagagcct catagatgcc catgttccag ctgccacacc tttacctgag   600
agaggaggct ctctagacat tcagggcctc tcacccaccc cagttcagac caccatggtt   660
ttgtccaaac caggaggctc cttagcctct cacgttgcca ggaatctatg ggccttcaca   720
gggccagggg tcctgatgcc ccttccacat gtgagccagg acatgaggct tccctgaagc   780
aaggatttca gccagatgcc atagaccctc agaacttgac ctggaagtcc agacactgaa   840
cgcaggcctc aaaactgctg cggccttcca actcctggta tctgcatcgg cgaatggccc   900
ttcttgcctt gatccacagg gatggggaag ggaatgtcat taatgttttg tt   952

<210> 3168
<211> 3036
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1310)
<223> similar to gi4959382 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3168
ggctttgttt atctccatca tcatccaaac agactaccaa tcctgatccc agcccaatct   60
tgggcccttg aaaaaataac ttaacatcct aactacaagg gagaaactcc tttcaaatta   120
atgaacctgg ctgacttata tagccttaaa attatggaaa tgacaagggt tacaatgtca   180
gaatgagcag taaaccttcc ccagtcctat cagagcaaac tttctggggt tgcatcccct   240
cagaaaccca tttggggccc aatctcaatg cacatatcag tgcgcaaagc actaaaattc   300
caggcaacac tttgtattga gagaagccaa aattttggtc aggccctggg acatctaaag   360
tcaccaatgt aactacacca tacagattaa accctcacat gatcatgtaa gctatgcagt   420
tacccaagct gcatcatttta gaaaacctgt acagttttta tggaaaccat ccctagtcaa   480
ggacacttta aatatatagt ctaaataccg ttaaggtagg cccactagct gtgttcacat   540

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tttcccttgg ccaccttacc agggacttta ataacttggg aaagtgaaaa caacaagcta       600
acccacatgt tcaccataga aaacaatttt gtcttgaaaa acaaggactc ttttttcccgt      660
gtgggaccag ttcctactta tgttttacca gccaattgga ctggaaccta tacagttgtt       720
tatttagccc ccgaaattaa tatagctccc aacaaccaat ccttcattat acttttaact      780
gcaaccacca gacacaaatg agccatccaa ctgataccac tttcggtaga gctaggaata       840
acagcaggag taggaatgag agttagcagc cttgcagttt ccctatccta ttaccaatgc       900
ttgtccaagg attttatgga aagcttaggt gacattgccc aaaagtatca tcaccttaca       960
aaatcagata gagtctttgg cagtggtggc tttgtaaaat agaaggggac tggatctcct      1020
aaatgctgaa gaaggtggct tatgtctttt tcctagagga agaatgctgt ttttatgtca      1080
accaaacagg attagtaagg gatgccaccc aaaaactagc cgattggtac cataagatat      1140
gacaacagct gtctgagtca tggggcgcct agtcaaaatg ctaatttggg gctcacatct      1200
ccttcctctg gccagtccac tattaattat tatacttgcc ttggcttttg gatcatgttt      1260
ggtaaatctt ttaaccagat ttatttcttc ttgcctagag accattatga taatgcagca      1320
gggccaccag tcagtttcag ataatgatgt caaccccggc caccaagaag taaccttgtc      1380
tccactagac agagcaggtt gcaggaattt agccaattca gaggtcttgg tctccataat      1440
ttggaatttt ccttcggatt tgatcaagtt ggatagagtt ggtcaaaccc aatgggaaaa      1500
agatgaaaac aacaagaaac agaaacaaac agcaacaaca acaacaacaa aaacaatgca      1560
tttaattaaa ttaagatgag ctcatgctgg agtaggtgg actctgaacc cagtgggaca       1620
agcgtcctta ttaagaagag ggaaatctgg acacacacag agcagagacc gccgtgtgaa      1680
gatggaggca gagatcggag agatgctgcc acacgccaca aatgcctggg gctcccagaa      1740
actacacgga gcctccccca gcggcttcag caggagcatg gctcggccaa cactttgatc      1800
ttggtcttcc agcctccaga acggtgagtc gtttttcctaa aattcccttt tccactggtg      1860
tgtggtgcaa gatgaggcac attttccatg gatggtgaac agagggagga gccttttgat      1920
cacaaccagg tcaccccact tctaagccac tgtgcctcca gccccacaag actaaggaga      1980
gagagcgcag cgtggtggag agtgagctgt gctgggacca ttgtttccgt aacctcgttt      2040
tctgtgtcca gctgacacac cttcaaagtg gcatcaggtc ctaaactgta gcttgcaatg      2100
tgcctgtttc cagaaaccaa ggtgaaagtg cttttagaca gtgttcccat gcaagagtcc      2160
cttcccagct tttttctgga aatgcatgtt tctctgaact ctgagtccca agaaaaatca      2220
cttgagacac caagaaaatg ggggaagtgc taaaattgtg tgggaattca agcttaacaa      2280
taaacatcaa gacattttg ataaaaatga atccactgac atcggggagg agcaagagaa       2340
cagcacgctg acactgggtc agaggctaag accgacattt ctgggaacca ctcccggaag      2400
ggcacagagg agacgctttc agcctctcat cagccagcct ggcctgtagc tgctgcacgt      2460
tatgagtgtg ttcctggcat gactgcttct aacagcgacc atttcattaa gtttttaagt      2520
gcctggtaat tgcttggtta tgaccggtgt ctgctccatg gcagcctctt cctgaagaaa      2580
tgctgaggca gtgtcacgct ggtgtctgtc ctccttacag aatgcctgaa cagttccatt      2640
gactcaaagt gaagatcaaa agaaccaaat gacagcaata gccaagtgta atcatcagta      2700
accctgtgtt ctatccacag gtaaaaaaca atcatcctct tcattatggg tttcaatttt      2760
aaatgtaata catttttaga aatgcctatt tcctttttata atctctttat ataatctagg      2820
ttattctggc tcttaggtct tcatttagct actgaaaaga tttgatctca aatcaatgat      2880
ctaaccaccc atgaccatct cccacctctc tccccgtaca cccccccagca tgaattctgg      2940
gaactcaggt aaaatgcttt ctggaaacct gcctgtatta gtctgttgtc aagctgctaa      3000
taaacacata cccgaaactg ggtagtttat aaagga                               3036
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<210> 3169
<211> 1387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1388)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (11)...(631)
<223> similar to gi2384940 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3169
agagatcgcg gagagacgca taacgcagcc cgctcctcca gggccctcca ggccctccgg   60
ccccgggccg gcgggtgaac tgggggggccc cgggacaggc cgagccctct gccctgcaga   120
taacggaggc ctctgctgtg gctgcccact ggctgtgccc gcccactggc tgtgcccaga   180
ccttgaagcc gcagcgaacc tctctttccc accccacctc ggtgactaat ggcggccgtg   240
gcgtctccca gcccggaccc cgccggcacc cgggtctccc gacccaagcc tcgacgaaac   300
ccccgcagag ccgccgggac gcagcgcctt tgggcggcgc tgggcgtggt gggccgggaa   360
gtatggcggc agctcgaacg ccgcgcggcg gaggccatta aggcgtggac ggcccgggaa   420
ggcggcctag ggacgcaagc aggctcggcc gcctctttag gccacggagc cgcgcagatc   480
cggttcccgg gtgaccactc tgtcgccatt gggcgagacc tacctagtcc tgacgacaac   540
ggacaaaggc cttaaggggc ctggaaggtg agcgaagtcc cgaacgacga cgggtggaac   600
ggttagcggc catcgggcgg ttggtcttca ttctaccaga ctttgctgtc ggaagagaga   660
aatggtagaa tgacaggcca cgtttggccc gttggaaatg cccaccaccc tctgggaaga   720
tttactggcc gtttatggaa ggcctgtgta tataatatga aaaagctgct ctcaactcca   780
ccccaacctt ttaatagaaa acatttgtca catctagccc ttctatagat ggaaagaggt   840
tgccgacgta tgataaaata gagttagaaa gttacacatc ttgtaaattc tcatttgttt   900
aaaagaaatc atagaaaata catgtcttct ggagatgact tttggaaatg gagttgttaa   960
gacggcctct ggaagcgata cgtccacgtt tgttaagtgg gttagatgac atggagctgg   1020
aagacctgag aaggaagaga agaaggttct atgctagact ggtcatattt agaagacatt   1080
ttcatattct atccattgtt ttgtgtgcat tttattcctc actactgtgt atatagttga   1140
caatgctaag ctttttttgaa atgtctcttc tttttagatg ttctgaagtg cctgatatgt   1200
taaaattaga ggtagcaaaa tcacattttg taaatacctt tttgttacaa ttcataggaa   1260
atatttttgg gggggaatgg ccaaatcacc tgttgagtaa tactcattgt gtttgtgcag   1320
tggttcangg gaggagagag gtgggggggt gccgttggtg ggagagacaa aaagagggag   1380
agtgtgc   1387

<210> 3170
<211> 2744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2735)...(727)
<223> similar to gi5689399 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3170
tttttttttt tttctatata taaaatcttt attacaggca gtattggtcc atacacttaa   60
cacaatacca acagtacacg gtttaatctt tcaaaatcat catttaaaca gcaaaagacc   120
caagaaataa aatttgagtc aattattttt caaaatattc tcaatgcaca ttatccttaa   180

1951

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ttcccttatt atagtgaaac atacaaatac agaaaaatac cccatttaac aaatactagt    240
gttaaatggt tatttggctt aaaatctgag ttaagaaaat ccttttttagc aacctacata    300
cagataagta gcaaacttta ttatattaaa caaattcatt ctgctaaaac atgtaaagaa    360
tttcatccat catgtattct gatcccagta caagtgttta ttctcttacc gtcacgattc    420
ttatatgaag gaccaactca aagagttgtc ctagatataa ccttatcctc ttccccaaca    480
cacttcatcc aaaagtctgt tcaacagatg gcaaccgggt agcagtcact tcaccatctg    540
atgccagtgg ttccgtgaga gcgtggccag gcctgtgaaa cagcccattt tcctacctac    600
tgtgggttgc tgctcaggag gaacgatata cgccaataca agcaggaaat ctgcagctcc    660
tctgctatgt gcctcagaac actttcaatt tttctggtca atgctctgat taggtatcat    720
acataaaagc cagcatatta gtttaaatct ttaaacaaaa aactatattt tccaaagtca    780
ttatcatttg ggccaattaa gtgatctttt cgtgctttgt tgagcttcat ctttagggca    840
tctcttcttt cttcccattc atgaagttcg gcatttccat gtgcaaattt acagctgttt    900
ccttctgggc aggtgccatt catataccta tcacaaatac tgaaatagcc tgttgggaag    960
cggtgctgcc agcagtactg gtcgtcctcg gtgtggaaaa ccttctcttt gtgcttctcg   1020
gaggagatgt ggccctgcca ctgcttctca ctgttgcagt ttttcccaca catccagcag   1080
tgaaagtcca ctgtaacttc agcataatct gttggcatgt gaatttgttt tccattttcc   1140
ttgtttgact gactggctat gtcttcactt tttttcatttt tttgactctt gagccatagt   1200
tcgtaaaatt gctccatatc ttgtatccca ttctccttca tgtaagtcca aacttctctt   1260
tcctcaggac tatgagcaaa ggaacagttt cccacatatt gacatttttt cccagaagca   1320
atatggttgc acagatcaaa ctgtaaaggc atttgtttct ttgtggggag aggacggatg   1380
ttcatccact tcttacgttc aatagacatc actctcatcg cacgccggtc tttggtccac   1440
gaatgccttg cttttgcact acaatatttt ctgttttttgt ctggttcaat gacttgaccg   1500
tttctcagac actgggcgca cacaaacttt atcttcatat taagaaatcc aggcattatt   1560
tgattaccaa gtacctgcgc tccaggtaca tttgcttcca aattctgcca atatcgttta   1620
gactcttgag caatagcatc atgtgagata cctgtttcat tttgcattat ccagactttc   1680
agttccacaa gactatgggc ataaaagcac tcatcttccc ttaaacagcc ataccgaact   1740
tcatgtcgac ataaatcaag ctgacactga ccatgaaaag aacgtatttt ggagtatttt   1800
actgttgtct ctcgcaaaat gtggacaagg cacttattgt cttcaaactc atgctttgta   1860
accgggtgag aacaagcagt agaattatct ttatttctttt tacttatcat tctaggctta   1920
tgatcaaaac atttctcaca aaggaatata aattccccaa gatgctcctg gagaagtttg   1980
aacacagtaa ggttaatctt tccattgccg ccaaagaaag cctcccggct gaatgctcct   2040
ttccgctcca gtgtccacac atctatctcc tcttggcaat aagcaaacgt gcagtggcct   2100
gaatatctac attcctcctc agcagcaaca tctttacata tataatatgg tccttcataa   2160
tttgtttttg ttggtcttgg acgtattttt ttccatgatt tatcttcaac attctttatc   2220
ctaccgatta aaatatcttt cttacactta tgatctatgt tagcatggta agtgaaatcc   2280
attaacttag ggcctgattt tacaaaacag atctggcaag cttgtctcaa ttcatgggtt   2340
ccttcgaggg gatgtcttgg agtcactgat gaagatggtt tggtaactgc acttccaaaa   2400
aagtttccaa agtcatttct aggctgactt gaaattccca ggaaattctc tgaagcaaac   2460
aaactacctg gtccattcat aagtaaaagg gaagaattac tgttgttaaa gcggtgttcc   2520
ctctctagaa gttgaggtgg acagatctcg tttggattca ctcattgaaa atgaatttaa   2580
agaagaacag aaatcttcta aggatgaagt caaaggtgga taaaattctg agaaggaggg   2640
tggaggagca tacctcgcac caatgggtaa ggttcctaac agcgatgccg aaaaggggcat   2700
gctaggagag acactggctg tctgaagggg tcctctgact aaag              2744
```

<220>
<221> misc_feature
<222> (952)...(549)
<223> similar to gi552195 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3171
```
tcaaaaaaaa taaaaataaa atacaaaaac aactttcccc cataccactc cttatcccac      60
acccccatcc tctatcccct atcccctatc cttaatctct ttgtaactgt tgctcactcg     120
ctctctcact ctcatgtgtg tgctctctct cacatacacc acacacacac acacacccca     180
cctacataat ttcttctctt acacctttaa tataaatatc tgagtttttgg ttcagttttg    240
caaacattta aaaggcaaac atggtatttt gcttgtttca gcatttaata aggtagtgca     300
tacttctttc atatggaagg aaaacatcat attaagttaa tatttaaacg tacacaatta     360
taatttgcaa aaaaaaatca agatgataat ttcttaaata gtaaattgaa ataaatgata    420
ttttcctagc atgcttgtca ttcagcaata ataagaaact gagataagaa tgcaggcagt     480
tgaagttcac ttcagcctga gtgcaagtat acacaaaaca gcaaaaatat tacatagaaa     540
ataaatgttg tccattggat tgagtatggt gctaccattt gtcacagtgt tcatattcat     600
agttgtggct atctttgggg tcactgctgt attcagactt gtcttggaat ttggagtcat     660
ctagggattt gaggtcattt tgagatttgg gcttgtccca ggattggtgc taccatttgt     720
cacagtattc atattcatag ttgtggctct ttggggtcac tgctctattc agacttgtct    780
tggaatttgg agtcatcttg ggactcgagg tcattttgag atctgggctt atcccaggat     840
tggggttcat tctgggattg gtgctcttcc tgggattagg tctggtcccg ggattcaggc    900
ttgacgcagg attggatact gccatagaat ttgaggttgt tgatgttgaa gtttgtcccc    960
ggaatgttaa caaacatgaa gagcaggcca atcggtgata gcttgaacat catcctcctc   1020
ttttgatatt tttctccgaa gagtaagaat tcagtctttc tccagcgaca aagcgaccgc   1080
ccacgcgtcc gcggacgcgt gggcggacgc gtgggtcgac acgagaanna agccnggtag   1140
tcatt                                                               1145
```


<210> 3172
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(504)
<223> similar to gi4894364 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3172
```
aaggccttat gagtgcagtg tatgtgggga attgtttagg tacaactcca gccttgttaa      60
acattggaga aatcacactg gagaaaggcc ttataaatgc agtgaatgtg ggaaatcatt     120
taggtaccac tgcaggctca ttagacacca gagagtccac acgggagaaa ggccttatga     180
gtgcagcgaa tgcgggaaat tctttcgtta caactccaac ctcattaaac attggagaaa    240
tcacactgga gaaaggcctt acgagtgcag agagtgtggg aaagccttta gccacaagca    300
tatacttgtt gagcaccaga aaatccacag tggagaaaga ccttatgagt gcagcgaatg    360
```

```
ccagaaggcc tttattagaa agtctcacct ggttcatcac cagaaaatcc acagtgaaga    420
gaggcttgtg tgctccatga atgtggggaa ttctttagct aaaactccaa cctcattaaa    480
catcagagat ttcacaatgg agaaagttta ccattgacta ttgtaattgg gtagtaatgt    540
tatataaatt ccacattttt atgcaacta                                      569
```

<210> 3173
<211> 2371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)...(1153)
<223> similar to gi1255425 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3173
```
ctacatagta aacttctctt cagtagggta aacgaatgct aaaactctga gacctctgtc     60
agctgaagtc ataagaaaac tgcatatttg ttggaagaaa ataaagaaat gaagagctgc    120
taagcatgaa taaggactgt ctctagaaat taaagggaag cttttaataa acacatattt    180
ttctctcccc gaacttccct cccccaaatt caggagttgg ccgaggaaaa gatatctcca    240
ccatcacagg tcatcgtggg aaagacatct ctactatttt ggatgaagaa agaaaagaaa    300
ataaacgacc ccagagggca gctgctgctc gaaggaagaa acgccggcga ttaaatgatc    360
tggacagtga tagcaacctg gatgaagaag agagcgagga tgaattcaag atcagtgatg    420
gatctcaaga tgagtttgtt gtgtctgatg aaaacccaga tgaaagtgaa gaagatccgc    480
catctaatga tgacagtgac actgactttt gtagccgtag actgaggcga caccctctc     540
ggccaatgag gcagagcagg cgtttgcgaa gaaagacccc aaagaaaaaa tattccgatg    600
atgatgaaga ggaggaatct gaggagaata gtagagactc tgaaagtgac ttcagtgatg    660
attttagtga tgattttgta gaaactcggc gaaggcggtc aaggagaaat cagaaaagac    720
aaattaacta caaagaagac tcagaaagtg acggttccca gaagagtttg cgacgtggta    780
aagaaataag gcgagtacac aagcgaagac tttccagctc agagagtgaa gagagctatt    840
tgtccaagaa ctctgaagat gatgagctag ctaaagaatc aaagcggtca gttcgaaagc    900
ggggccgaag cacagacgag tattcagaag cagatgagga ggaggaggaa gaggaaggca    960
aaccatcccg caaacggcta caccggattg agacggatga ggaggagagt tgtgacaatg   1020
ctcatggaga tgcaaatcag cctgcccgtg acagccagcc tagggtcctg ccctcagaac   1080
aagagagcac caagaagccc taccggatag aaagtgatga ggaagaggac tttgaaaatg   1140
taggcaaagt ggggagccca ttggactata gcttagtgga cttaccttca accaatggac   1200
agagccctgg caaagccatt tgagaacttg attggcaagc ctacttgaga agtctcagac   1260
ccccaaggac aaccagcaca gccagtgcaa gccttagcct ccaaatggga caagtggtgg   1320
ggcaggaggc aggagcacca gaagaggagg aagatgagct tttgagagtg actgaccttg   1380
ttgattatgt ctgtaacagt gaacagttat aagacttttt ttccattttt gtgctaattt   1440
attccacggt agctctcaca ccagcgggcc agttattaaa agctgtttaa tttttcctag   1500
aaaactccac tacagaatga cttttagaag aaaaatttca acaaatcctg aagtctttct   1560
gtgaagtgac cagttctgaa ctttgaagat aaataattgc tgtaaattcc ttttgatttt   1620
cttttttccag gttcatggtc cttggtaatt tcattcatgg aaaaaaatct tattataata   1680
acaacaaaga tttgtatatt tttgacttta tatttcctga gctctcctga ctttgtgaaa   1740
aagggtggat gaaaatgcat tccgaatctg tgagggccca aaacagaatt tagggtgtgg   1800
tgaaagcact tgtgctttag cttttttcata ttaaatatat attatatttta aacattcatg   1860
gcatagatga tgatttacag acaatttaaa agttcaagtc tgtactgtta cagtttgaga   1920
attgtagata acatcataca taagtcattt agtaacagcc tttgtgaaat gaacttgttt   1980
```
```
                                 1954
```

```
actattggag ataaccacac ttaataaaga agagacagtg aaagtaccat cataattaac    2040
ctaaatttt gttatagcag agtttcttgt ttaaaaaaaa ataaaatcat ctgaaaagca    2100
tttgtacagt aaaatgtata atgaagcttt gccaaccaga ctgtgctagc aacaaatttt    2160
tttaaataag ctttatgcag tggtaataag gtggcctcaa atatattgtg tctgatggag    2220
agttattagt gaaatgaatg tggtctttct taaggcctgg atggactgtg tagcaattcc    2280
ttgatgtcca gtttggaaag atgtactctt ctcaacaaga aaaacttaaa tccgtcgtgc    2340
ccaaatatag ttgtgctttt atttccaaaa a                                   2371
```

<210> 3174
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (736)...(93)
<223> similar to gi2065209 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3174
```
ttttaacatt tttaatgtac tggtattgcc atttgtagca gatgctgatt ttaagttaaa      60
caatacatgt catgctatag gtcaaatatt ggggctctgg ggtgtgtaaa ctgggctcaa     120
gtctgggaaa ttgattgagg ggccgtgatt ctgttttaat aattcaaatt agtattttgt     180
ccatttgacc tagaagtttt ctgcttgtat aaattaagtg ggaatgcagt aggcttccta     240
tcagtttcac ttccaggaac accataatta attagcccaa tgcccaagtt ctacacaagt     300
cagactattc tgattgctgc tttgcttctg ctgtcccatt acagtagcta cgcccacctt     360
acctttgata gttgagtgcc cgtcacttgg gcccctgcta ccctccggat ccagttattc     420
ccattttgta tttaaatttt gtagttgagt gactgaggtt cccactgtta gatctgacat     480
acagagaagt gcaattatag ggttcttcaa agatgtagct gctgcccttg taaatctgtt     540
ttgcaaggca tcagtcaagg gtatatcttc tggaccctcc cagctgggat gagtaggtct     600
aaagtgacta atccactcca ccttctgaat ctccctaagc ctttggatcc cttcctctac     660
attaaaccaa gggagatcag gcatttccag ctcactcaca gtgggccatc ttttaatcca     720
tatttcagct aaccacgc                                                   738
```

<210> 3175
<211> 1433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(1375)
<223> similar to gi2105420 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 3175
gcaaggggca gttggtgaac ttgctgcctc cagagaattt tccctggtgt ggaggcagcc   60
agggacccag gatgctccgg acctgttacg tgctctgttc ccaagctggt ccccgctcca   120
ggggctggca gtccctgagc tttgatggcg gggccttcca ccttaagggc acaggagagc   180
tgacacgggc cttgctggtt ctccggctgt gtgcctggcc cccactcgtc actcacgggc   240
tgttgctcca ggcctggtct cggcgactcc tgggctcccg gctctcaggc gcatttctcc   300
gagcatccgt ctatgggcag tttgtggctg gtgagacagc agaggaggtg aagggctgcg   360
tgcagcagct gcggaccctc agcctccgac cactgctggc agtgcccact gaggaggagc   420
cggactctgc tgccaagagt ggtgaggcgt ggtatgaggg gaacctcggt gctatgctgc   480
ggtgtgtgga cctgtcacgg ggcctcctgg agccccccag cctggctgag gccagcctca   540
tgcagctgaa ggtgacggcg ctgaccagta ctcggctctg taaggagcta gcctcgtggg   600
tcagaaggcc aggagcctcc ttggagctga gccccgagag gctggctgaa gctatggact   660
ctgggcagaa cctccaggtc tcctgcctca atgctgagca gaaccagcac ctccgggcct   720
ccctcagccg cctgcatcgg gtggcacagt atgcccgggc ccagcacgtg cggctcctgg   780
tggatgcgga gtacacctca ctgaaccctg cgctctcgct gctggtggct gccctggctg   840
tgcgctggaa cagcccgggt gaaggcgggc cctgggtgtg gaacacctac caggcctgtc   900
taaaggacac attcgagcgg ctggggaggg atgcagaggc tgcgcacagg gccggcctgg   960
ccttcggagt gaagctggta cgaggtgcat atctggacaa ggagagagcg gtggcccagc   1020
tcccatggaa atggaagacc cccccactca ggctgactat gaggccacca gttcagagtt   1080
acagcccgct gcctggaact gatgctgacg cacgtggccc gccatggccc catgtgccac   1140
ctcatggtgg cttcccacaa tgaggaatct gttcgccagg caaccaagcg ggcaggccgg   1200
ctatgtagtg tataagtcca ttccctatgg ctccttggag gaggtaatcc cctacctgat   1260
ccggagggcc caggagaacc ggagcgtgct tcagggtgcc cgcagggaac aggagctgct   1320
cagccaaaaa ctgtggcggc ggctgctgcc aggatgccga aggataccccc actagcaccc   1380
ctgaggggggt catgtggtca ataaaagtcc ttaggtgctg cctaaaaaaa aaa   1433

<210> 3176
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1063)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1010)...(306)
<223> similar to gi311833 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3176
tttttttttt ttccagtcat taatgatctg tccttttgag atcttttact tcagaggaag   60
atttaggcaa gagagcaaca tataatagtc agtgatacaa agaagggcat ggaacatttg   120
gggaacacag gggtttggag ggcctgaagc acaggggtgg tggtattaga aatgtgggaa   180
atatgggcca tgagcctccg gacagaatgg ggtccaggaa ggacagcatc acacactggt   240
gctggaattt ggggatcctt ctgtgggcaa cctcagcagt ctggttattg gcccttttttt   300

```
cttacagcct ggaaaactgg accaagtttc tattgatctc agcgaccgac cggcagcctg      360
taaggggcca tggaagtgtg gaactcattt gttaaaatgt tcaaaacttc cttaacacca      420
tgttcaccct tgcaggcaag gccccatagg attggtctcc caagaaaaat gcacttagct      480
ccaagggcca gagccttctg cacatcattg ccagttctga ccccggcatc caggtagtac      540
ttcatgttcc cctattcagc agctcctact tctgtcaaag catcaattga agcaagaacc      600
tcatcaagct gcctcccacc atggttggaa acaatgatac cctggacatt gtgcttcaca      660
gctaactctg catcctcttt tgtcaaaatc cctttcagga tgatgggcaa tcgagttatg      720
ctctgaaacc aggagagatc attccagcag agagaagtgc tgataggagt catctggaaa      780
taaggtattg catttccctt tttaggtgat tgaagatctg ttagtgttaa gttcctcctc      840
aactggtttc gaatgtcatg tcgcctgttg ccacatacag gtgtatccaa agttattacc      900
aaagctttga aacctaggga ttctaccctc tggatcaact gtttgttcag ctgcaggtct      960
ggatgcacat agagttggaa ccatcggagg ccttcgggag ctcttgctgt gctcatttcc     1020
ccgaattcca ccacnctgga ctagtgttct caaaannntc ga                        1062


          <210> 3177
          <211> 914
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (694)...(13)
          <223> similar to gi433012 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



          <400> 3177
tgccagaatt cggcacgagg aaatgagctt ggctgggcac cctctctggg ccttggaggc       60
aagcctgggc tcctctgaaa atacaggcag cttcctttcc ctgacttgcc tggaggagcc      120
aggccctgtg gtgcggtctg gctctgaggc ctgtggtcct gcttgggact ggcagtctta      180
ggctgaggga acattttcca gagtatagcc gagggacaga atgtctcagt aagacgggct      240
cggaggggaa gtgttttgga aaggcctctg cttgctctgg gaggcgttca ggatgctgag      300
gtttttggaaa tctatggcgg ctcttcacaa ctgctcccag ctttgggagg aggaatagac      360
gggtgctcgt ttcctcgggt tcagtggcaa aggtgaagac cagcactgcc gacctgggac      420
ctgggcctct cccgggcctg gggaggacac tggactttga aggggaatgc agcctagaag      480
gcctggaccc tggagtcagg agatgctgct cccatccagt aagccctggc tggagctctt      540
ctgggcacca accctggcat aaaaccagtg gagcctctgg gcctgcactc aacagtgcct      600
ctgatggagc aggttcagct tggttgtgac ctctgctaga agccctccct ggcctccctg      660
tgcactgagc tggtggttcc tcctttgcgc cccaggtaca tgctcagatc tgtgtaccct      720
acactttgtc ctccagcttc gtgtttggat gttcacaact cccatgagaa gggcccccga      780
gagctggcac agtgcatgtg tttcctctcc agacttctac aaacctggca cataattgtt      840
tgctggaaga tggcatgttc ctaaaacaga ggaagtagaa cctgaataaa gcgaaatcca      900
acttcccaaa aaaa                                                        914



          <210> 3178
          <211> 757
          <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(231)
<223> similar to gi183441 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3178
tagtaacttg agggtgatgt ttccgagggt gctccctacc cacactgcag cggggtcctc   60
gtgtgctcgc ggtgcatttt tgcagctggc gacttgaact gggttgtgca caagcaccat   120
tggtttgcca ataagtttaa cctggatgtg aacatagat gtggacctct tcgccatcca   180
gtgtttgggt gagcaccgga ggcataaagc tttatagacc ttaaaacact gaccattata   240
ggcaatctta gggtgcattt tgtgcatcct tcttattatt tctatttagt tcctcttgcc   300
aataagcatc agaaaaattg tatggagtcc tctttggggt agggatgcta agtcttcatg   360
cagaaaagct gcatggtttc tgcagagcac aattggctag aaaggctgta acattaaatg   420
tttatctaga attaacatga gtaggagtaa aagtggctgt ggcatcaggg cgggcagcaa   480
agcattctgg agcgaggggg ctaggtgac tggggaagag gctgatgaaa aaaataaatc   540
aattaaaaga gttcagggac ttaacaaaat gagatttgac ctgtgccaaa actattttga   600
gaattttaaa tatgacattt ttcctggtat gaataaattt atagcaacaa acaataataa   660
agatacaatt gatcttgtat gttatgtatg ttgacagaga aatttgattt tgctctaaaa   720
aagataatag tgatcaacat agatggagaa caatgcc   757

<210> 3179
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (759)...(136)
<223> similar to gi1492075 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3179
ctgtaggaaa agattaaaaa aaagtgtaag ttccttctgg ggattactgg ggtagggctg   60
atatttctcc ggactgcttc aagtgtgacc agggactgcg tggacacctt aaagaaaatt   120
ttataatgag tctagtaagt ttcgggtcta gggtgcattt ttatgtagct aacaaggtgc   180
cagttagcgt atttttgagc ttggaactgc cctaataaaa taagttctct aaaaacagta   240
atcaggcata ttagctttaa tgtaggtggc gatgagtttt taggccaagg aaggaataat   300
gttttatgta ccaaagcctt ttgtccccat tttccatcat acgaatagta ttccctgttg   360
ctaagccgat gatacattac ccttttcccc ataggtgtga gtggcggtct gaaatggaga   420
agttcaatag ttctgattgc agatcctatg cagaagagat aataacggaa aataatcttt   480
gtctcctgga ttaagctgag gctggcaaag agtgaaatgt cccaagccct ctaacaacaa   540
acaacatact ttgtgttgtc ctggatgctg gtctggttgc caaatatgtg gaactggccc   600
catatgcgtg tactgttgtc catttcatga gagtaggctc gacggacacc atggggcaaa   660
ggatctgatg gttgccagcc taagcgtttt agacttttga cccagagatt tattgttttg   720

<210> 3180
<211> 1813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(250)
<223> similar to gi1389766 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3180

```
tattaaaaaa tagcctgtga tggccgggca tgttggctca cagctgtaat cccaacactg      60
ggaagccaag gtgggtggat cacctgaggt caggagttcg aggccgggct ggccaacatg     120
gtgaaacctc atctctacta aaaatacaaa aaattagatg ggcgtggtgg caggtgcctg     180
taatcccagc tacttgggag gctgaggcag gagaatcgct tgaacccagg aagtggaggt     240
tgcagtgagc acgatcgtgc cattgcactc cagcctgagc aacaagagtg aaactctgtc     300
tcaaagaaaa aacaacaaca acaaaactgt gattctccat ctaacttttt acaattatcc     360
tttcacaatt caagaaagtg tgaatgcaag tcattactaa cagtatctca gtaaaagtag     420
tccaggagca aatattttct ttttaactgg gttcccagct agttccattc ccttgaattc     480
agtggcaaag tcactgtcaa taaaaggttt ttactcttct tcctttttga attgtaactt     540
gcttactgaa ttcaggaatt gggtgatcaa aagataactg cttattatag taagataacc     600
ttggaacaga actgtgatta aaaacctgaa taataaaaaa cacacaagac ccattaaaac     660
ctattcctca cttttttcttc gtgctggctt catggttgtc tttgctgtct tcattgctct     720
ccccgttatg ttgtggctga ttaccatctt gagcatcaga tcctccattt agagtctttg     780
acccttgcga aggaatccaa tggaaaaact ttgttaaagc ttacaaaaca ataattgaag     840
gtgtccacta aagatccaga atcaaaatac aacatggcca tcgtgtttct actacttaat     900
gtcttttatt tgaaattaca ttgtaataca gccctctctt gaatgttaga attgggtttt     960
gatgctttgt caaaaagggg agcagatgac caccagaggc tttgggtagc taaggcacca    1020
taaaaagcag gttaactatc tatgagtaca ggaagtggat tattaatctg attattctgg    1080
ttgttactat taccaggaat actacagggt gttgtaattc ttagcatatt catttattct    1140
accacggaaa agcaatgtga atcaaatttt aaaatttact attttagaac aaagtgctaa    1200
aggagtattt cctaattgat atttttgtgc ctaataaagg gggtttcct gtaagtcgta     1260
ttaataattc tctaagggga cccatgtcat tccccaataa agcaacaaaa acaaaaaacc    1320
aaccgactgc ttttgacata ccagctttta ccttaagcag ctgccactaa gatgtttaat    1380
aacaagactg gaggagctga taatggtact atgattctgt tttaagagtc tttcatacat    1440
tctgaaatgt ttatgagtga aatggtatgt cagggatttt tcgtaaaaca actttcaaga    1500
ggggcataga gaaagcttat gggctacaaa agcacaatga tcataaactg aactgccaaa    1560
gctggatgac aaggacatga gaagttattt ctatttgtat aagttataaa tttttcctaa    1620
tacaaatgaa aagaaaataa ctactgttag taataagtac tagcaggatt taactactgc    1680
taaagttagt gaaaaaagta gaagctaagg ttcagtgcct tacatatatg ctacacatct    1740
aagtgctttg taagacttta tcaccaggcg cggtggctca tgcctgtaat cccagcactt    1800
tgggaagcca cgg                                                        1813
```

<210> 3181
<211> 1086
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1035)...(402)
<223> similar to gi2072977 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3181

```
tttttttttt ttgagtgagg tacgagtatt accaaatgat attttctgaa gatgcttttt      60
ggaaagctct gaatctatac ctaatgctct taattattgg cttgtttcat ttttttcctc     120
cagtttttaa caagatcaca taactggctt attttttaaca gctttgtcaa actacaattt     180
acatgccgta aaatgtacac actgtaattt tataattcat tgacttttag taaatttcta     240
gcgttatgca tcgccacaat ccagttttag aatatttcca tgaccctaag aagtttcctc     300
atgtctatta atattcccaa tcctaggcac cactgagttg ttttctgtct ttataagttt     360
ttctttctac atcttatata aatggaatca taatacatgt agtattttgt gtctggcgtc     420
ttgcacttag catggtgttc ttgaggttca tctgttgtag tatgtattga tacttaattt     480
ttttattgcc gaatactatt ccattgcatg gaaaagactt attttatttc taggttcacc     540
agttgaggga catttggatt gttcccactt cttgggctgt taggaataat gttgctctga     600
acatgtaaat aaagatcttt gtgttcacat atgttttttca ttttctgttg gggagattcc     660
ctaggctaga aattgctggg ccatatgaaa aatcaatagt tagctttgta agaaacagtc     720
aaactgtttt cccaacgtga cattttatat tcccaccagg aatgtttaaa actagtgtct     780
tcaaatcctc accaacatcc aggattgtgt ctttatgatt atagccattt ttgtaggtac     840
aaagtggcat ctcatggtgg ttttaatttg catttccata atatctaatt aggttgagct     900
ttttttatgt gcttattggc catttgtttg actttgtttg gtgaaatgta tacaaatcat     960
ttgctcattt ttaatttggg ttgtctgtct tgtcttctca ttttattgag ttaaatgagt    1020
tcttaataat ctctggctta caagtcctta atttatcaaa tatatgatac gtggacattt    1080
cctcat                                                               1086
```


<210> 3182
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(513)
<223> similar to gi2072969 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3182

```
agttattgac cttacagatg aggtagagat tgagataagg gtagaaggtt tattcaaagg      60
gataataaca gagaaagaga tcaatatcca agaaccagaa ggttatagaa caccaagcag     120
gtttaaccca aagatgatta cctcaaggca tttaataatc aaacttccaa agatcaagga     180
```

```
taaaggatcc taaaagcaac aagagaaaag aaacaaataa catagagttg ggctttaata    240
cgtctggcag cagacttttc agtggaaacc ttacaggcca ggagagagaa gcatgacata    300
tttgaagtgc tgaaggaaaa gaactttac cctaaaatag tatatccagc aaaaatatcc    360
ttcaaacatg aaggagaaat gaagacttc ctagacaaac aaaacctgag gtatttcatt     420
aatgccagga ccatgctaca agaaatgcta aagggagtat ttcaaccaga aagaaaatta    480
cattgatgag caataaatag tcacctgaag gcaaaaaaac ttactggtaa tagtaagtac    540
acagaaaaac acgacgtatt atgacaatgt aactggggtg tgtagactcc tcttacccta    600
agtagaaaga ctaaacaatg aaccaataaa aaattataac tacc                     644
```

```
        <400> 3183
tttttttttt ttacatttac taaaagttta tttcaaatct gcctccaagt ccatgtgttc     60
tgaaaaggac agaggggggcc ttggagtgca gccagatgga aggactttga aggctgtcca   120
agtgctgctt tcagagtgca ccaagttttt attgtccctg actgtggctc cctgcctgtt    180
tgtcaggcgg gagcctggag cctgcacagg gacagagctg gtttcatccg gcactcccta    240
gccctggaca ccctccttgt ctcgcctgcc ctcctgcagg ccttcactct cccctgaggc    300
tgtcctggcc cggactgtgg ggagcacctc cacccccgg agcaggtgca cacccaggta     360
agcaggtcca ggggctgggg tgggcagggc tagctttgg atcctgagtg tcactactct     420
ctcctcccag ggatgccctg gacctaagtg acatcaactc agagcctcct cggggctcct    480
tccctccttt tgagcctcgg aacctcctca gcctgtttga ggacaccta gacccaacct      540
gagccccaga ctctgcctct gcacttttaa ccttttatcc tgtgtctctc ccgtcgccct     600
tgaaagctgg ggcccctcgg gaactcccat ggtcttctct gcctggccgt gtctaataaa    660
aagtatttga accttgggag cacccaagct tgctcatgtg gcaacatggc ccttcctgtc    720
cctttattga tgtcatccag ggtcttaacg cccctgaggc tgagccctgc tgcagaaccc    780
agcgctcctg gccttgggcc agcagctgaa gccccatgct gtgtggagca aagaggtttc    840
ctgagcaggc acatccccg gtgggtacct ggagctgttg ggagtatggc actcaaggtg      900
gagggcaggc acggcccagg ggtcccagga tctgaggccg ctgagctccc tgtgtcagtt    960
tcctggaaga agcagctgca gcccttgtgc ctgtggccag ctggtacaag acgggtccac   1020
gcccccttgg tccttttgtc ctgaatgcct tactccatag tctctgggca gagggagcca   1080
gggcgggcaa gcttgtggct gctgggaggg ctggtatgca gggcagaaag atggagatca   1140
ggaagactgg ccacaggcct ggtgggagga acaggatagg gtgaggaggc tctgggctgg   1200
cggcctggca ggacttgaac tctcagagca agacgtgacc ccagagtccc tctccctcgt   1260
gccaagcttg gcgtgagcag c                                             1281
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (904)...(375)
<223> similar to gi1055196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 3184
ggacacagtg aggaggggct ggataggaga agcatagtgg tcatgggaaa tgaaccaatc   60
attgagcact gactcttctt ttgttgggat tgggtttttt ggggactgca gcattctttt   120
atacagcaaa atgcaagagc ctggagctgt gctggatgtg gtgggtgcct ggctccaaga   180
cccagccaat caaaaccttc cagaatatgg agccttggca gaatttcacg tgcagcgggt   240
gctgctgcct ctgggctgct tatcggaggc tgaggagcta gtggtgggct ctgcagcctt   300
tggtgaggag cggcgactgg atgtacttca ggccattcac acagcgaggc agcagcagaa   360
acaggaacac tcaggctctg aggaggccca gaagccaaac ctggaaggct ctgtctccca   420
caagttcctg tcactaccga tgttggttcg ccagctttgg gactctgcgg tgagccactt   480
cttttctctg cccttcaaaa agagtctcct ggctgccttg atcctctgtc tcctggtggt   540
gagatttgat ccagcttccc cttcctccct gcacttcctc tacaagctgg cccagctctt   600
ccgctggatc cggaaggctg cattttctcg cctctaccag ctccgcatcc gtgactgagg   660
gtccctgcgc accacagcct ctctgctcct cacgtccgtg gccacagaag cagagcgaca   720
gagcgacaca tccacaggcg cccctgggga aatgggacca gcctaatctc gcggagtgca   780
ctgtgtcttg ctgcctgggt gccctctcct ttgcacccta cttcagctgg tcgcggtaga   840
tgatgtggaa acaaagcagg accagcaggc acagcacctc cagaacagtg ccccggatga   900
ccagaggccc cttgaaaagg gaggggtttg gggacaggga ctgtgtccat gaaacattcc   960
atcttcttgg tgaaggcaag gggttggttc ttcaggtcag gatgttaatg gagctggaag   1020
ttcagaaaaa gcctggtgaa gtgacccttg gcctttcact tcttgagaaa catacttctt   1080
tgctgggcaa aaaaaa   1096

        <210> 3185
        <211> 1227
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (13)...(270)
        <223> similar to gi1710216 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 3185
cagttttttt tttttttttt tgctgcatga ttttattact ataaatatac agtaaaaacg   60
aaccaacgat gagcccatct gagcacatca gacggcagca catgggagtc ccagcgggcc   120
actctgcggc ccgaacttca cgcaaagctc tggcaccagg actgatggcc agaggctggg   180
gccttggtgg gggcgggggg cgggcggtgc aggggctgt gtgtgttgtt ggggagaggt   240
gcatggggggg agagaggtgc ttggggtggg gtagaggtgc gtgggagatg ctcggtccga   300

```
gtgcacacac atgcatggga acatgtgcag gagtatgtgc gtgtgtgtat gcgtgacagc    360
atgtgtgagc gtgagtgtgc atgtgtgaac gtgtgcgtga gcatgtgcaa gtgggcgtgc    420
atttgtgtgt gtgtacgtgt gagcgcatct gcgtgcctgt gcacgagcgg gaggggtggc    480
tggcctgggt gtgcaggag ctgggtgtga ggaccgtgct gtccactgct gggtctcgcc     540
caggaggcag agctcatgct cggagccacc gtgagcctca gggagggtac tgagctgccc    600
cacagccgac ctgtccccag gcccccactg cagggcagcc ctccagagcc aggtgagcag    660
cagacacctt gcctggccca aggctccgca ggggtggatc catgccctgg gtcaccacgg    720
cccaggcact ccctttgcca tctgcggccc caggaggttt acctataaaa aaaacaaaca    780
aacaaacaaa caaaacagga cgaggtcgcc cagaggccaa gcctccccgg ccgggacccc    840
attccccagg tgtgctgctg gcttcctcct ccctgggccc agcctgccac agaaagcctg    900
agacagaaca aaccaaatca gagagaactg caaggggggcc gggcgcggag gctcacgcct    960
gtaatctcag cactctggga ggccgaggca ggtggatgac cttaggagtt tgagaccagc   1020
ccggccaaca tggtgaaatc ccttctctac taaaaataca aaaaaattag ccgagcatgc   1080
tggtaggcac ctgtaatccc cagctactca ggagcctaag gcaggacgat cacttgaacc   1140
cgggaggcgg aggttgcagt gacccgagat tgagccactg cactccagcc tgggcagcaa   1200
gagtgaaact ccatctcaaa aaaaaaa                                        1227
```

<210> 3186
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (692)...(215)
<223> similar to gi3874389 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3186

```
tttttttttt ttgtggtcta aaataaactt ttaattgcac atttgtgtct tgggttatct     60
gtggggtgag aaacctcctc acttccaatc ccagctatct gggtacaatc tggtgttgtg    120
gtctggctgt cggcgagggg tagaggtggg tgcaggactg gccccccgagt ctgcaccgac   180
ctcttcaggg cagggagctc agaccatggt agtacttgca ctgcttcagg gcctcgctga    240
agccctcaca cagggacagg tcactctgag tggtggaaca gtccaggaac tgcctgatct    300
cataggcgca gggccccaat ctgcaagggg cttgggggc agcggggtt ggggggccttg    360
cttggacagc agctcggggg aagggctccg aagctccccc ccgcttgaag gctccgggtc    420
aagggcgctg cccatgaacg tgtcccacag ccgagcccca cggctacccc tgcggcccgt    480
ggtcgccatc tgagccatga gccccggctg gcccgaaggg gcggggggctg gggcggctgc    540
cgagggcggt gggtgcgcgg gcgggtgggc agagggcgcg gcggggcggc tggctggccg    600
ggaggccgcg ctgcggcttc ccccgaggca tggtggcggc ggtgggaccc gggcgacctt   660
agagacggcg gcagcggtgc tgtcgcgggg acaaatgc                            698
```


<210> 3187
<211> 1294
<212> DNA
<213> Homo sapiens
```

<400> 3187
cagagacgct gcaaattgct tgtggacggt gtaggccgct gcaggccacc atgaaccggc     60
ttccggatga ctacgacccc tacgcggttg aagagcctag cgacgaggag ccggctttga    120
gcagctctga ggatgaagtg gatgtgcttt tacatggaac tcctgaccaa aaacgaaaac    180
tcatcagaga atgtcttacc ggagaaagtg aatcatctag tgaagatgaa tttgaaaagg    240
agatggaagc tgaattaaat tctaccatga aaacaatgga ggacaagtta tcctctctgg    300
gaactggatc ttcctcagga aatggaaaag ttgcaacagc tccgacaagg tactacgatg    360
atatatattt tgattctgat tccgaggatg aagacagagc agtacaggtg accaagaaaa    420
aaaagaagaa acaacacaag attccaacaa atgacgaatt actgtatgat cctgaaaaag    480
ataacagaga tcaggcctgg gttgatgcac agagaagggg ttaccatggt ttgggaccac    540
agagatcacg tgaacaacag cctgttccaa atagtgatgc tgtcttgaat tgtcctgcct    600
gcatgaccac actttgcctt gattgccaaa ggcatgaatc atacaaaact caatatagag    660
caatgtttgt aatgaattgt tctattaaca aagaggaggt tctaagatat aaagcctcag    720
agaacaggaa gaaaaggcgg gtccataaga agatgaggtc taaccgggaa gatgctgccg    780
agaaggcaga gacagatgtg gaagaaatct atcacccagt catgtgcact gaatgttcca    840
ctgaagtggc agtctacgac aaggatgaag tctttcattt tttcaatgtt ttagcaagcc    900
attcctaaac agcccaactg gcatttaatt acccaatact gtatataagg caaatatgga    960
cagttacttt cctcttgcct gttcatatcc ttcagtgaca ttgaggaagc agtgtttctc   1020
tttttaaagg agaatagttg tcaaccttca ttcatctctt acatctctca ccctctcctt   1080
ttttttttct ttgattttcc cccttattga tgggactgat attcattctg ttttttgatga  1140
acatttggaa actgtcgggc tttttattaa agctctgtaa aattaaaagg ttttggaatt   1200
ataagcaatc tttgtttctg agggttattt ttattttgca tatagctttg atgtaattaa   1260
actggaaact ctttcctgaa aaaaaaaaac caaa                               1294


<210> 3188
<211> 1227
<212> DNA
<213> Homo sapiens

<400> 3188
cagttttttt tttttttttt tgctgcatga ttttattact ataaatatac agtaaaaacg     60
aaccaacgat gagcccatct gagcacatca gacggcagca catgggagtc ccagcgggcc    120
actctgcggc ccgaacttca cgcaaagctc tggcaccagg actgatggcc agaggctggg    180
gccttggtgg gggcgggggg cgggcggtgc aggggctgt gtgtgttgtt ggggagaggt     240

```
gcatggggggg agagaggtgc ttggggtggg gtagaggtgc gtgggagatg ctcggtccga    300
gtgcacacac atgcatggga acatgtgcag gagtatgtgc gtgtgtgtat gcgtgacagc    360
atgtgtgagc gtgagtgtgc atgtgtgaac gtgtgcgtga gcatgtgcaa gtgggcgtgc    420
atttgtgtgt gtgtacgtgt gagcgcatct gcgtgcctgt gcacgagcgg gaggggtggc    480
tggcctgggt gtgcagggag ctgggtgtga ggaccgtgct gtccactgct gggtctcgcc    540
caggaggcag agctcatgct cggagccacc gtgagcctca gggagggtac tgagctgccc    600
cacagccgac ctgtccccag gcccccactg cagggcagcc ctccagagcc aggtgagcag    660
cagacacctt gcctggccca aggctccgca ggggtggatc catgccctgg gtcaccacgg    720
cccaggcact ccctttgcca tctgcggccc caggaggttt acctataaaa aaaacaaaca    780
aacaaacaaa caaaacagga cgaggtcgcc cagaggccaa gcctccccgg ccgggacccc    840
attccccagg tgtgctgctg gcttcctcct ccctgggccc agcctgccac agaaagcctg    900
agacagaaca aaccaaatca gagagaactg caaggggggcc gggcgcggag gctcacgcct    960
gtaatctcag cactctggga ggccgaggca ggtggatgac cttaggagtt tgagaccagc   1020
ccggccaaca tggtgaaatc ccttctctac taaaaataca aaaaaattag ccgagcatgc   1080
tggtaggcac ctgtaatccc cagctactca ggagcctaag gcaggacgat cacttgaacc   1140
cgggaggcgg aggttgcagt gacccgagat tgagccactg cactccagcc tgggcagcaa   1200
gagtgaaact ccatctcaaa aaaaaaa                                        1227
```

<210> 3189
<211> 1334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1264)...(846)
<223> similar to gi1872200 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3189

```
tttcgtggac aggagggctg gcaagggagg gtccagggtt aggggattcg gagtggcttc     60
aggcggacca cgtggctacc ttttttccag ggccagactt tggcagcgtg taaggtctga    120
ggacaggggc accggaggcc gaggatgaga ggccagtgcc tgtttccagg cagccagggc    180
ctcagaaact ccggccggag cactcacccg tcggtggagg ccgttaccag ggccacctta    240
tttgcgagcg ggtcccggcg ggtcatcccg gagctggcca tccgcaccga attccaagcc    300
cgggcacaga ggcctagcag ccccgccttg tgcatggatc agaccagcaa atgccacttc    360
ggataaaccc tttggactcc taactccaat caggtgtctg ctttgttgag gactcacaga    420
cacagtctcc tttcttcaag atctttacaa tgcaagacct cactaacaca cagggatggt    480
ctcccagagg gtctgtgctg ttccttcact cagaacatca agatgcactg aagtaaggat    540
cctctattct acagttcctg ctagctgagc tattccatgg gggcttcagc aggaaattcc    600
aaggttggct ttgacaagct aaggccggct ggtggagcac atcgagttct ggaggttcat    660
gtgtgttttc atgaagatct gtctgcccgt agcagataaa gagttgttgc cccactcctc    720
ctggggtctt ctattttcct gggaggaatt tctggattaa ctgaacacac acacacacac    780
acacacccctt ttgaagcatc aacagtaatt ctgagttctt agggacaatg cagattaaat    840
ccacaataag aaagacaact atggccaggt gtggtggctc acggcctgta atcccagaac    900
tttgggaggc tgaggcggat ggatcacctg aggtcaggag ttagagacca acctgaccaa    960
catggagaaa ccccgtttct actaaaaatg caaaattagc cgggcatggt ggcaggcgcc   1020
tgtaatccca aatactcggg aggctgaggc aggagaatca cttaaacccg ggaggcagag   1080
gttgcagtga gccaagatcg cgccattgca ctccagcctg gcaagaaga gcaaaactcc   1140
atctcaaaaa aaaaaaaaga gtcctatggt tccaaggggg accaaacggc cctcattgga   1200
```

1965

```
aaaaataggg gactttatta tgcaaggggg ttccagtccc ttggtttggt tttgggaaaa    1260
gaaaaaaagg cctacaatcc aaaaaaatag ggcccatcac aggcttcccc aagggacaaa    1320
attaatccat tttt                                                      1334




        <210> 3190
        <211> 1772
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1775)...(40)
        <223> similar to gi3253120 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 3190
        tttttttttt ttaagattat tctaaaatac aacgtttatt aaaaaaacat gcgatcttgc      60
        caataggcca attccatgag aacaaagat tttttttccc acctacaagt cttttttagag    120
        aaacaaacgg aactatttcc agatgaggcg gggtgtctgg gaggggctgt gggtggtctg     180
        gggctggtga ctggtgaggt tgggtggccc tctgggggtc cgggaggcac tttccgtttt     240
        gcttctgttg gagatgttcc cgtcggatgc tgaagaacaa gcctgccggc tggggccact     300
        cccgacctgg gctgtggcac ccgtgtggcc ctcggccctc ctggcctgag aaagggggagt    360
        gagaaggagc cactgtcctg atatgggcaa aactcggggt cactggtctc atgcttccaa     420
        ggccccgtga gcaggccagg tgggggggatc cctgggggaa gcccctcacc cttctccaac    480
        ccccagcctt cggggagccc ctgccctcca ggccctgtgc tcggaggtgg ggggaggacg     540
        gctcagtgac ttttggttcc catgacattg acagagacag ggacctcgac gcatcctcca     600
        tacccgctgc ggggaaatgg accccaccag ccagcacggg gtgagttggg ggccagtccc     660
        tggcagagtg tgggtgtcca cagagggtct cttctgcagt ggcggatcgg cgcgccagcag    720
        ggtcccggcc tcagtgctgc ctgtgcgggc gaagggtggc ctgtgggcaa gggctggagc     780
        tgccccagca gccgcgggct ctgcctcacg acccagtggg tgccccgtga tgtggcaggg     840
        ctggccttga gtttcctgct tctcacgagc ctggcaccgc caagcccagg cccctctggc     900
        ccatctccac aacaccctgt gtggccgccg cttggggcag gccctgtggg ccccacccag     960
        cctggctgag gggcggtgga gagtgtccgc ctggacggtg aggtcagctg gcggctgctg    1020
        gccaccctcg tgctcgaaag atgcccctag cgccccctcc gttgcatcag gaccctaggc    1080
        cagcctgtcc cagtgtctcc tcagctcacc atggcaggct caatggtgac cccccttta     1140
        tatagggggga aactgaggcc tggcgaaaga aagatgcggc ctgaggtggg acgtgaaccc    1200
        gcggccctgc agcccagaca gcggccccgg agtgaccacc agcttcaccg aagccccttt    1260
        actgtgcccc cgaggacacc tgcctgccgt tccccagggc cgtcaccgcc gatagcggta    1320
        gcgcttgaag tgaaaccaca gctggaagat gccgttggca aactggcagc ggaagccgtg    1380
        gcggtgcgag tattcccact cgcggttgac gatcttgaaa gcgatgtcct cgtagggcgg    1440
        ccccgcgtgg aagcgcagga tggcgaaatc cttgttgtcg gcgcaggcct ccaggaagta    1500
        ctcgggcgtg gagcgcttgt cgatgaggtc ggggtagaag atgttgaact tgtatccctg    1560
        cacgatcttg ggcggtgggt tgtcaaagtc gtagtgcgtc tggttgtact tgttccactc    1620
        gaagcccgtg tgcacgcggt tgaagaagcg cggcttgcgt ggccggtact tgtcggccca    1680
        caggtaggcc ttgccggtga gtggcatctc cacgctgaac tgcgcctcgt cttggcccat    1740
        gccctccttg gcccgccgaa agaagatgtc ct                                  1772
```

<210> 3191
<211> 1194
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1153)...(365)
<223> similar to gi4186073 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3191
```
tttttttttt ttatgatttt aatatacttt atttatttaa aaagtacaca gttttaaatt      60
ggtttcaata ggtttcaagc agaagggaca ctgcctacca cttgcggtcc catttctgat     120
gaagggtgat tatcatgtgg caaactcaca tttgcatgac tggcaaagta aaaagataga     180
taactttttg tcaacatatc tttaagagtt tatatcacgc acagtttaaa atcatgacga     240
gatgctgatg gttggactat attcatgtct cgtatgttgc accatatttt ggttcacagt     300
ttatccatga tttagcatgc caagagaaca tctcagtcag taagagaaca tctcagtcag     360
tgtcaccttg agaagagcat caaaagcaga gggagcagaa ggaggaccgt ctgggcttgg     420
agactcggcg cacccccaca ctccctcgca ttctcctcag gatggaagcc atgacaagat     480
tctgggcgcc ttctgatctt ctgggccttt agacgttcac acttaaggga ttcattatgt     540
tgactgtagt taaggcatgt ttccaaggat tgcttttttc tactctgcat ttcagaggtc     600
aaaatttggc aatgacaact ctcttaacta ctctctctct ccaacagtgg aaaggatgta     660
attttccttc tctaatattt ctcccccagg tttccttacc actgatacec cttactggtt     720
tccgtggtag tgagtggacc tgcacacaaa aggatatacc tgatttcaat gggtgccatg     780
gtgatggggg ccacagattc acagaggcag ctgctgtcca ccaccaccat gaacaggttg     840
ctgcttggga tttgctggat gacaaaggac ctgttggaac aagaggtagc gaggcagtca     900
tttaccatcc gtcaattaaa gagccatgag gaagacttct ctcctgggtg gtagcaacta     960
ccatattttg taaagcaaat tttggagact attttactac taatgttacc ttctttctcc    1020
atgaggctct tcacttacaa atacctagct tcactaggaa aacaacaata gctatgacga    1080
catgcggctc atacaactca ccttggaaag actgaagtgc tgtatgtaca aaacacaaga    1140
gtcagagttg gctgaatcac ctgttcccaa ggtttaagag gtcagacttt caaa          1194
```


<210> 3192
<211> 2148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2148)...(661)
<223> similar to gi2317934 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3192
```
cgaaaagaaa gtgggggact ctaaagattt tctccttta agaaaaaata gttccggctg      60
```

```
gggagtacaa aatggagtgt aaaaagggcc ttgggcccca gggaggcccc tgtggactaa      120
ggggagttca tgcacccctt cttteecccag aggggctgga ctcaggtgag tatgggggtg     180
ggggctcctg cacttcgaca caggcagcgg aagggttttc tccccattcc ctctgcactc      240
ccaacttgag ctatactttt taagaaagtg attcaccctg cctttgcccc cttccccaga      300
acagaacacg ttgatcatgg gcgatatttt tcattgtgcc aaaaagttgc catgaccgtc      360
attaaacctg tttaacacca aataataagg aaaataaaac aaaaagttcg ggcatggtgc       420
agaaactcac tccaaataaa ttacctacca aaatatataa tggtggaaat attccaaaat      480
tccatatttt gggatttata cacaaaagat aaacaaatta gaggccaaga ggctgccgga       540
agggaaaaac ggggcctgga atggccgacg tgaggaatga gctgggccta aagaggccac       600
tggcaggcag tagctggacc tgccgaagtg gccgaaaggc aggagctttg gacgggggag       660
gccgcagtga ggcgagagct agctgggcgt ggagagtcca ctgtgaggcc aaggccaagg      720
ccgggcccgt gcaggccttt gagaggcagg aggccgggcc tgcaaaggcc gactggagat       780
caagttctgc gcctgaagag gctgccaaaa gtcaaaagcg ggggcctggg aaggcagccg      840
agagccatga gctgggctgg gccgaaagag gccactggga ggcaggagga gctgggcctg      900
gagaggctca ctcgaggaag ttttgcacct ggagaggccg ccgagaggac ggagctgggc       960
ccggggaggc cgacttgctg ctcttccagg cccaattcca ggccgacttg aggacgactt     1020
gggcctgcag agactgccgg gaggctggag ctgggcctgg agaggccgac ttcgggacga     1080
tttggacctg cagaggccgc cgggaggccc aagctgggcc tagaggagcc caccgaccgg     1140
aggccgtttg gggcctgcag atgccatcgg agggcaggag ctgagcctgg agaggccacc     1200
gtgaggcctg agctgggcct ggggagcttg gctttgggaa gctgtgggcc taccagggcc     1260
actgggagct gggcaggagc tgagtccaaa gatgttgttg ggaggccaaa gtcgggcctg     1320
gagacgcagc cgggaggaag agctgggccc ggagaggatg ccgggaggct gcaagtgggt     1380
ctggagaggc cgacttgagg aggttctggg cccggagagg ccgccggaag ggaaaaactg     1440
ggcctggaaa ggccgttgtg aggaatgagc cccatgggcc tgaagaggcc actggcaggc     1500
gggagctggg cctgccgaag cggccgagag gcaggagctt tggactgggg aggccgcagt     1560
gaggcgagag ctagctgggc gtggagagtc tgctgtgagg cagaggctgg gcctgtgcag     1620
gccttcggga ggcaggaggc cgggccttgt cgaggcctgc agaggccgcc aaaagtcaaa     1680
agcggggcct gggaagcccg cccagaggca tgagctgggc tgggccgaaa gaggccactg     1740
ggaggcagga ggagctgggc ctggagaggc tgactcgagg aagttttgca cctggagagg     1800
ccgccgagag gacggagctg ggcccgggga ggccgacttg ctgctcttcc aggcccactt     1860
ccaggccgac ttgaggacga cttgggcctg cagaggctgc cgggaggcca gagctgggcc     1920
tggagaggcc gacttcggga cgatttgggc ctgcagaggc caccgggagg cccaagctgg     1980
gcctagagaa gcccaccgac cggaggccgt ttggggcctg cagatgccat cggagggcag     2040
gagctgagcc tggagaggcc accgtgaggc ctgagctggg cctggggagc ttggctaggg     2100
aagtttgtgg gcctaccagg gcctctggga gctgggcagg agctgagt               2148
```

```
    <400> 3193
tacctttttta aaatttttta tttttttatt tagtggcctt ttagattatg gtgatcttca      60
cctcatctcc acctgtctcc ccacattaga caggggtctt atgcttgcta ctgtgagggt      120
```

```
aaagggttga ctgggaaggg gtggtaggga catggtaggg gcagagcctc cagccccact    180
tccccaggtt ttgctgacag tggccggctt ttagatgatg gtgatcttca cctcattgtt    240
ctcatcagtc tggtacaaaa aaggaatgca agggctgctg cccaagcctg ggtgctcctg    300
gaggttctgc atctcatgaa gcagttgcat gatctgctgc tcagtggggt tgtcacaggg    360
agaatgcttc cccgcctctc cttgtgcaga ctccccactg ctggcaaggc tcacctcaca    420
aagatctttg gagagaggga ggcagggtgc tgtgggagcc ctcccctgct cctgcgtgcc    480
cactgtgcct gaggactcta ctcactaccc tggcttgtca gtagccccaa gctactgggg    540
gggccggggc ccctggagtg ggctcatcag cagggttctg ggcagctgcc aggaatctgc    600
tatgccactt gttgcagtcg tccac                                          625
```

```
<400> 3194
accagtaata atagttttat ttgattttaa aatagtcatc aatgtgaaaa tttctcaaag     60
cttaagagta acagtctaga gccaaggttg ggagtggggg ccaggcctca cacagagccc    120
agcttgaggc ccctgagccc caccctcctt tccagaggga gggaggagac agctgagggg    180
gccctgaatc agtcctctcc ctcgtcccca aggccagctg tgccaggccc ctggagggca    240
acagctcatg cggaggactg ggggggggaag caaacaggta ggaaacggaa atgaggttaa    300
caattacacc atcacccccc aaaaaaaaca aaataacaaa acttgtgact atgaaaggat    360
ggaagatgaa tactgataaa ctcctcagct ccccagaaaa gcccagtctg ggctgggttg    420
ggctgattgg aggaaaggtc ttgagaccca actgcatgtt acctctgaag aataaatatt    480
ctaagaaaaa gggaaaacca tgaggcaagc tgctgcagtc agtcaacgca gctgacaggc    540
ctggcatggc ccacaacctg accccatcca cacaggaaac agctgtgcgg gtctggatag    600
aggagaggtc aagggcttgg actggggacc ctgagctgcc aaggtgtggg gactccttgc    660
agtcctggtg cagcaatggc aggaaggcca gcaggggccc tagttgagca ggttgccctg    720
ctcctgggcc tgggtcaggc tgtccttgcg gtgcaggtgg tgaaccccca tcctcttggg    780
gctgcgctgg gggcgactgg agctggggag tggccaggcc ctgccctcgg tgtgggaagt    840
gcctggcccc tcctctgtgc ccctgttaat gggcagcagg ctctggcgct cttcctcagg    900
actgataggc aggttcagct cttcttcctc cctgggaaag ccagagtcag gttctgtggg    960
tagcaaaagc tcactctctt cgggtcgggc agaaggtgcc tggaccacct catctctgtc   1020
agcggggcta tgggcaaaat ggcgctgcag ctcaggagg gcatcgcgtc caaaggctgt   1080
gcgctgggcc acagcagcag gtggtggagt acggtccaca aatgcccgct gccagctgac   1140
cagcaggtcc tcttcagagc tggcagagct agctggggca ctgagtgtta ggggtgctgg   1200
gctgggctgg tggtgggggtg aggcctgggc tgaggcaggg gtgctgggca ctgggctggg   1260
gcgggcccgc tcactcccct cctctaccag gctcaggaa atggcctggc gggtagcgta   1320
agtgcagttg ggcaggggc atgttgcggg ggatccgaac cttatcctca gagaactcta   1380
ttaccctgcg gccaggatac agtgggtgtg gtggagacgg ggttgggtag gggttcagct   1440
tctcaaaggc tggcaggggc agctcttcct ccggggagcc cctggcagta cccagagagt   1500
ggcactcccc attgggttgt ggggtggggc tgccatgtgc ccgggggact ggctggaata   1560
actgggacac cctcactcat gtccacatgc acaaagacat cctcagccaa ggggcgcccg   1620
gcgctgcctg actggaaaga attgagcagt agagactccg gcttctctaa cactcgggca   1680
```

```
atgactgagg taggcaccac agcccctggg gctaggctgg gagcaggacc tgggctggcg   1740
gcctcttgac cactgtgcaa atgtttccga accatgtcct gtagctcaca gggcagctga   1800
ggtaaaagag caggaaagag agacatcaat gatcgcagcc aaagataact tgactcatgg   1860
cgaaagtaat ggctcccacc tttaagtacc tctgtgtact cagcactctg ctatctcctg   1920
ttcttacagc atgccagtgt gtataccctc acttcacaga cacataggcc tggagagggg   1980
aagacaactc aaagctttgg ttaacttggc caagatttaa acccggatct gctgctgcag   2040
ccagcatgtt ctcaaacttc tatctcccag cttctgccca aaccatactt aagtttggag   2100
aatctgcata gaccagtagc cttagaaata cctctacttc tgggccgggc acagtggctc   2160
atgcctgtaa tcccagcact ttgggaggcc gaggcgggtg gatcacgagg tcaggagatc   2220
gagaccatcc tggctaacac gatgaaaccc catctctact aaaaagacaa aaaaattagc   2280
caggcgtggt ggtgggcgcc tataattcca gctacttggg aggctgaagc aggagaattg   2340
cttgaagccg ggaggcggag gttgcagtga gccgagattg tgccactgca ctccagccta   2400
ggtgacagag caagactccg tctcaaaaaa aaaa                                2434
```

<210> 3195
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (727)...(254)
<223> similar to gi2317934 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3195
```
ttttttttt ttgctcagca atctttattc agttcttctt gggggtggga tgcctccctt    60
cccatgctcc caccccteccc atcccagaac tccgttgggc tcagtgtcct ctgttgaggg   120
aaggtcttgg tgcccagatg cctactctgc aggagaggga ggaaccttgt ccctttgcgg   180
gagtcgctgg tctcttctgt tgtggggaag aaggaaggtg ggagggcac tgtccaccag    240
cactcagagc tccattatgt ccccagctgg ggttgcaggg tagggggac tggggtgtc    300
ccccagcctc agcagacgga gggcctcagg gatgaggctg ccaggatagc gccagagaag   360
cagctcagag caagggctcc tgagtggggg cagggctggg gagaaggtca tggggggct    420
gcagtagggg tggtcattgt gcaggctgag ttgagagaag tgggtggcca tgttctcctc   480
agacagaaac tgcttgcgca gaggctccct ggggagagat ggcagagagg caggctggga   540
tactgacaca ggaggcagcc tgttggggac cagaggtgac agagatcttg ttgggagtcc   600
ctccctgccc ccaaactcac tgctcctcct ccaggcgccg cttggtgctc atgggcacag   660
ctcctcggag aggggagctg ggaaaaaaag agagcctggt gcaccccacc ctcttggccc   720
cttcccaagg atctgcccgc ctaagcctgc agcatcagcc ag                      762
```


<210> 3196
<211> 5947
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (144)...(380)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3196
acgccagtgg acaaaatctc ccagatacgc ctttccccat gcctatgacc cagaatacta   60
cttttattcc agatcaatcc tggcacttca ttccccatag acttcagttt gcaccaatcc   120
cccatccgaa ctgtaacagg tttttttttt ttttgagatg gagtctcgct ttgtcgccca   180
ggccagactg cggactgcag tggcgcaatc tcggctcact gcaagctccg cttcccgggt   240
tcacgccatt ctcctgcctc agcctcccga gtagctggga ctacaggcgc ccgccaccgc   300
gcccggctaa ttttttgtat ttttagtaga acggggtttt caccgtgtta gccaggatgg   360
tctcgatctc ctgacctcat gatccacccg cctcggcctc ccaaagtgct gggattacag   420
gcgtgagcca ccgcgcccgg ccttcctttc cttttttttt tgagatggag tcttgctctg   480
tcgcccaggc tggagtgcag tggtgcgatc tcggctcact gcaagctccg cctcccgggg   540
ttcacgccat tctcctgcct cagcctcccg agtagctggg actacaggcg cccaccacca   600
cgcccggcta attttttgt atttttagta gagacggggt ttcaccatgt tagccaggat   660
ggtctcgatc tcctgacctc gtgatccgcc cgcctcggcc tcccaaagtg ctgggattac   720
aggcgtgagc cactgtgcct gccccagaat gggtttttaa agccacagtt gagaggccac   780
ccattgcccg gcgcctggac agtgatcatc ttgttcatct tgttcagtcc tttcttgtgt   840
gattggaatt attcatcccc tttgaaagat gagaaggttg agatgcaaag agtctacctt   900
tccaagttct cactgctgga aagagctaga agcacagttc aaagttctgg cttctggact   960
ctgcagtcca ggtctccctt ctcccacttg cctaccctca atgccacact gttttgaag   1020
tggcccataa cttgaaggaa aagtttaaag acagttcaat ttaatcatca gaatgcattc 1080
tttttttttt cggagacgga gtcttgctct gtcgcccagg ctggagtgca gtggtgcaat 1140
ctcggctcac tgcaagctcc gcctcctggg ttcaagccat tctcctacct cagcctcccg 1200
agtagctggg actacaagcg cccgccacca cgcctggcta atgttttttt ttgtattttt 1260
agtagagacg gggtttcacc ttgttagcca ggatagtctg gatctcctga cctcgtgatc 1320
cgccccctc ggcctcccaa agtgctggga ttacaggcat gagccaccac gcccggcccg 1380
tggtcagacc ttccagaggg ggttcaggtg gaaggcagac tcagaatttt cgcgcaccca 1440
tgcctcgcgc ttctcctgaa tggctgagga gtggagggct ggggtgggg cccaatttaa 1500
cccatgtttt aacaaaccct actctaaaac ggcctgacat gtcacaagga ccaccgcatc 1560
acaggccagt tcccctcact ggatgcccac actggtgtaa acttaggaag aggctgggca 1620
cactggctca ctgctgtaat cccagtgctt tggaaggctg aggtgggaga atcgcttgag 1680
gccaatcaca cgactgcact ccagcctggg cgacagagtg agaccctgtc tctaataaaa 1740
aataaaataa ggaagaaaga actgttctgt ctgtggggct gggccacgcc cagtgcctgg 1800
gtgggcagga gaacactctc cccccaagcc gactcccccc ttcagccctc cctcgtctca 1860
cccactctgc tctcccttc cccctccccc tgcagctgga gctgttgtca gaggaggga   1920
ggcatttcct gtgtcccct cccctaatt cccctacatt cctggcaagc ccagaggag   1980
cctgagagaa ccagagaggg atgggcggga acaggcgaga ggccgggagg gaagccaggc 2040
cccaccacac acacaagact tggagagcag ggccaggaag gaaatggggg aagggatgaa 2100
gcgatgcccc gagaggggct ggaaaggacg cccaccgtca tcagagggtg gtctctgctg 2160
ggcacggcca cgccccttcc accctcagc ctgcctcctc agggcgtcta gcaggctgct 2220
gttccgtagg ggatgcagaa gaaaggccag aggcagtccc gctcagagat cagggccatc 2280
cccaaagaac tgactgcgcc ctgagagtca ggcgcccaat ggggcggtgg agggcccagc 2340
ccagcaaggc ccctccggga caccaggaga caggagggca gagtccaggc gaccacccag 2400
cagccaccaa gcccccgagc agctggccag agtgacggcc acagcctgcc cttgtctgga 2460
gcttactgtc tggggaggga gatgaaggtg gcacttcaac gccagggtcc aggaggcggc 2520
agcatcccag caccatggga aattggatgg ggggtgcgc aagcactcgg gccctaacca 2580
aaccttagcc ccaacacccc ccaccaccac ctggctcaca gggcagtgct cacggcctgt 2640
gtgcacgtgt gcgcatgggt gctgcctgcc cagggactgc aagaaggggg gtctgcaggc 2700
cacggcatcc agcctggggc agcctccagc agaaggggcc actccagaga tcaggtgggg 2760
agctgggcac ccacctgagt ggcatcagtg acttcctaaa aaaaaaaagg ccccagagag 2820
accccaccct tctcaccatg ggaagacaca ggagttggtg ggtctgggga agccctcacc 2880

```
acacaatgaa tctgccgggc tctaccttta gcaatgggca ggacaggcct gctgcgctga   2940
ggccacgcac agatggggag gcacaccacg cagcctgtcc ctgactgtgg agggtgaagg   3000
gagggacaga cccaagggac ctgggtagat ttctccagca agagtcgtct ccagatcaca   3060
tttaggaatc tgcagtttca ccactgccct gatacagact gccgtcctcc cccagggctc   3120
ctgcgtctca cagcaggaca gtgaaggtaa ggcccagcca agccagagct ggctgctgcc   3180
tctaggcaag gcctccacac cccacccttg catcactcgt gactctgccc tgttcagaca   3240
gccctgccca tgatgggtgg ggcacagaga ccagtgggag cagcactttg ggacccaagg   3300
ctgggagcaa gtgggtccag gggacactgg gctcctaaga accatactgt ggccccaccc   3360
caagtgcctg cctccagact tgctcacccg agggcgaagc aggcacccag caagccgaag   3420
ccatcgggag tgggtgcatg tgtgtgtgcc catggtactg atgtgtgcat ccatgtatgc   3480
ccatgggtgc tgatgtgtgc gtgcacgtgt ccacgggtgc tggtgcatgt gtgtacatct   3540
gcccgtgggt cctgacgagt gcgttgagtg caggtgtgtg cgcccacggt gctgatgtgt   3600
gtgtgcacgt atgtccgtcg gtcctgagtg cgtgagtgca ggtgtgtgcg tgagtgcagg   3660
tgtgtgcgct cacggtgctg acgtgtgtgc acgtgtgccc atgggtcctg atgaatgtgt   3720
gagtgcaggt gtgtgcaccc acaggactga cgtgtgtgtg cacgtgtgcc catgggtcct   3780
gatgaatgtg tgagtgcagg tgtgtgcgcc cacagtgctg acgtgtgtgt gcactccatt   3840
ttcacgctgc tgaagaagat atacccgaaa ctgggaacaa aaagaggttt aattggactt   3900
acagttccac atggctgggg aagcctcaga atcatggcgg gtggtgaaag gcacttttta   3960
catggcagcg gcaagagaaa aaatgaggag gaagcaaaag cagaaacccc taataaacct   4020
atcagatcgc atgagactta ctcactatca cgagaatagc acagaaaaga ccagcccgat   4080
gattcaattg cctcccctgg gtccctccca caacacatgg aaattcttgg agatacaatt   4140
caagttgaga ttggggtggg gacacagcca aaccatatca ccgtctctac taaaactaca   4200
aaaattagct gggcatggta gcatgtgcct gtaatctcag ctattcagga ggctgaggca   4260
tgacaatcac ttgaacctgg gaggagacag ggtgagactc catctccaaa gaaaaaaaga   4320
agttttaagt ttgaaaggtt taaacagcct ttctttttaa acaaacaact gttagcacag   4380
agaggaaaga ccccttccta cagccccaaa tgagaggaat cccagctcca tggaagcaac   4440
cgctccagca cccacagcag cctcctgggt gagggccctg ctgtgtcgga atctccccaa   4500
tgccccatcc ctgtggggaa gcagctccag tgctcatcaa cacccaaaac aaacgcatca   4560
ggggtcaaag ggacccagga attccagaac caaagagaaa aacctcaaca gaggcgttcc   4620
tgaacatgtc aggaacggag ctatgagcac gggctcttca tcggggttcc taagttacgc   4680
aaagacagca atcaggaact cagcaatcag gagccagagg atggccacat actcacagtg   4740
gaggccactg tacccctctt ggtggaacac cccaggttgg ggtgcacggc ctaaagcagg   4800
cctagcgctg tccccagccc cacacagtga gccctgccat tttctgttta caaataaaaa   4860
gcttcatgtt ttctcaccat ccatgcacaa ttctgtctct tgcttatggg atctaaaaca   4920
ctgcaggagg tggctcaggg cctctagagg cacagacagg gggccctaca ggccctcagc   4980
cctggctccc caatcccagg gccacagaag caggtggccc aggggccagg agagcagcag   5040
acacgcattt ccggcttgct gaactccctg gagggtccag gccagtcggg gcagcccttc   5100
ctttggagat aaatatcaaa cctcaagtaa acggcctctg agtgcagcag gtgaacttct   5160
gagagctggg tggagccacc tggggtagcc agccacagcc tgtgcgctgt ccctccaagt   5220
acagataaag gcaggtggcg ctgcagtggg ggtcgggggg tggggagcag gaccacttct   5280
ttttgggaaa tgtggctgcg tgaatgggag agtccacagg ccctgtgctc aatcacagta   5340
aatgccactc ctcacgtctt ctccctatcg gagcaaccag cccttgctca gtgtgaacca   5400
aagaaaagaa gagcttgaaa gatcacaagg agattgctca attctcaaca gctctgagag   5460
gctgcctgcc ccaggaccat cctgatttcc cttcaggagt gtagggcctg taagaattcc   5520
tgcccgggca gggaggctga ggcagtgacc aggagccaag gtgcactggt ggggtggagg   5580
caacgggggcc tgccaaggac tctccctccc aaaaagacag gagccaggtc caaggcacat   5640
ttaaagataa acgctggccg ggcgtggtgg ctcacgcctg taatcccagc actttgggag   5700
gccgaggcgg gcggatcacg aggtcaggag atcgagacca tcctggctaa cacggtgaaa   5760
ccccgtctct actaaaaata caaaaaatt agccgggcgt agtggcgggc gcctgtagtc   5820
ccagctactc aggaggctga ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag   5880
tgagccgaga tcccgccact gcactccagc ctgggcgaca gagtgagact ctgtctcaaa   5940
aaaaaaa                                                             5947
```

<210> 3197
<211> 2210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (378)...(1660)
<223> similar to gi28969 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3197
cggacgcgtg ggcacttgcc tccctgcctg cttctggctg ccttgaatgc ctggtccttc   60
aagctccttc tgggtctgac aaagcaggga ccatgtctac ctttggctac cgaagaggac   120
tcagtaaaata cgaatccatc gacgaggatg aactcctcgc ctccctgtca gccgaggagc   180
tgaaggagct agagagagag ttggaagaca ttgaacctta ccgcaacctt cccgtggggc   240
taaggcaaaa gagcctgaca gagaaaaccc ccacaggagc attcagcaga gaggcactga   300
tggcctattg ggaaaaggag tcccaaaaac tcttggagaa ggagaggctg ggggaatgtg   360
gaaaggttgc agaagacaaa gaggaaagtg aggaagagct tatctttact gaaagtaaca   420
gtgaggtttc tgaggaagtg tatacagagg aggaggagga ggagtcccag gaggaagagg   480
aggaagaaga cagtgacgaa gaggaaagaa caattgaaac tgcaaaaggg attaatggaa   540
ctgtaaatta tgatagtgtc aattctgaca actctaagcc aaagatattt aaaagtcaaa   600
tagagaacat aaatttgacc aatggcagca atgggaggaa cacagagtcc ccagctgcca   660
ttcaccccttg tggaaatcct acagtgattg aggacgcttt ggacaagatt aaaagcaatg   720
accctgacac cacagaagtc aatttgaaca acattgagaa catcacaaca cagaccctta   780
cccgctttgc tgaagccctc aaggacaaca ctgtggtgaa gacgttcagt ctggccaaca   840
cgcatgccga cgacagtgca gccatggcca ttgcagagat gctcaaagtc aatgagcaca   900
tcaccaacgt aaacgtcgag tccaacttca taacgggaaa ggggatcctg gccatcatga   960
gagctctcca gcacaacacg gtgctcacgg agctgcgttt ccataaccag aggcacatca   1020
tgggcagcca ggtggaaatg gagattgtca agctgctgaa ggagaacacg acgctgctga   1080
ggctgggata ccattttgaa ctcccaggac caagaatgag catgacgagc attttgacaa   1140
gaaatatgga taaacagagg caaaaacgtt tgcaggagca aaaacagcag gagggatacg   1200
atggaggacc caatcttagg accaaagtct ggcaaagagg aacacctagc tcttcacctt   1260
atgtatctcc caggcactca ccctggtcat ccccaaaact cctcctcccc ctccttcttc   1320
ccaaaggctg ccaccacctc ctcctcctcc ccctcctcca ctcccagaga aaaagctcat   1380
taccagaaac attgcagaag tcatcaaaca acaggagagt gcccaacggg cattacaaaa   1440
tggacaaaaa aagaaaaaag ggaaaaaggt caagaaacag ccaaacagta ttctaaagga   1500
aataaaaaat tctctgaggt cagtgcaaga gaagaaaatg gaagacagtt cccgaccttc   1560
taccccacag agatcagctc atgagaatct catggaagca attcggggaa gcagcataaa   1620
acagctaaag cgggtggaag ttccagaagc cctgcgataa aaacatgatc tttagaagag   1680
gatgcagaac tgttcagtgg tattacatga aatgcattgt gagatgtttc taaaatacct   1740
tcttcaattc aaaatgatcc ctgactttaa aaataatctc acccattaat tccaaagaga   1800
atcttaagaa acaatcagca tgtttcttct gtaaatatga aaataaattt cttttttatg   1860
tcgtgagatt tgtattggca agaagcagtt aatttaaaga tgctcttcct atctgtggat   1920
gtgttggtaa ctccgagttg taatgagttc atgaaatgtg ctgttatttt tgtaatctca   1980
ataaatgtgg attgaagttt tttccctttt tttaaagcca aactaatatt tttctgtgac   2040
ttgatacatc tgtcagattt ttgtaatctc gataaatgtg tattgaagtt ttttcccttt   2100
ttttaaaaag ccaaactaat attttctgt gagttaatac atctgtcagg tgtgtatgta   2160
acattactgg acattaaaaa aaattattac attctcaccc aaaaaaaaaa   2210

1973

<210> 3198
<211> 2041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2033)...(1278)
<223> similar to gi998472 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

    <400> 3198
atctttcggg caatgtaact actacagcaa aatgagatat gatccattaa acaacatatt   60
cgcaaatcaa aaagtgtttc agtaatataa tgcttcagat ttagaagcaa atcaaatgat   120
agaactccac tgctgtaata agtcacccca aagatcaccg tatctgacaa aataactacc   180
acagggttat gacttcagaa tcatactttc tcttgatatt tacttatgta tgtatttatt   240
tttttaatt tatttctctt gagaccggcg tctcgctcct gtccgcccag gctggaagtg   300
cgatggtgtg atctcggctc actgcaacca gccacctccc tgggttcaag cgattctcct   360
gcctcagcca tccccgagta gctgggacta caggtgcccg ccaccacgcc caagctaatc   420
tttatacttt taatagagac ggggtttcac cgtgtcggcc ccggatgggt ctcgatctct   480
tgacctcagt gacccgcccc gcctcggcct cccaaagtgc tgggatgaca ggcgtgagcc   540
actgcagccc ggccttctct tgacgtttaa actatgaagt cagtccagag aaacgcaata   600
aatgtcaacg gtgaggatgg tgttgaggca gaagtaggac cacactttt cctatcttat   660
tcagttgata acaatatgac ctaggtagta atttcctatg tgcctactta tacacgagta   720
caaaagagta aaacagagag actgctaaat taaagggtac ggtgaagttc ttcataagta   780
actcccgtaa acttggaaca cttgtccaaa aagccagcag ctaggtgaat tgtttccatg   840
tattttcct atgatccaat aagtgaacta tgctattcct ttccagtcct cccaagcact   900
tcttgtcccc atcaccactt ccggtgcctc gaagaaaaaa ggtaacaaat caaggaacac   960
aacctaaaga aacacacaca caaaccaaag acaactacag cgtctgcaaa agtttgctag   1020
aagactgaaa cctgttgagt ataaggatct ggtattctac gatgatcaat gagttcactt   1080
tcagagtttg ttcaagacat acgtttccgt aaggaaacat cttagttaga agttattcaa   1140
gcagtaggta ccatccctaa gtatttttca ccaaattccg tgacaaataa aagagcctat   1200
ctaaccagaa aaaattaagc cgagtaccgg caccatccca tagggctttt gtcttttacg   1260
cttcattagg cactttccca tgccttacaa tgtctaggat tgaccctgat agcatttccg   1320
aaaacaagct aatgctttgt ccagttcctt cagtgaagac caagctcacg cccctaatgc   1380
gctatgggca taagcatcat tttggattcc acttcgagag ttccctggaa gaattgaatc   1440
ggcaatatcc gtgttcccgg ttgcagaccc gaaacaagtt ccctgcaagc acaccaggcc   1500
tcctggttgg gcgaattttt tatcccatgt ctgtgaagtc ttttgggaca gaactgaaag   1560
agcaacctct ttcggaggat gccaaagtgt tgtagagtag atctccatgc cttcgactct   1620
gtaattctca atcctcctaa cctctgagaa ttgtctttca gcttgcgtgg actctgaaag   1680
tttacaatag gcccttccga tttggcacag tacccacccg gtattgcagt ggtgagaagc   1740
tagatggctc aagatactga tagcttcttt gccgtggtaa gaacacaaag ctaaataacc   1800
tttcccccctt tcacgaagaa ggctcatcaa gccttccgct ggtgcttttt gtagattaaa   1860
agcctgaatc tgaggcgcga ttgcggctat cttcccttct gaaatgacgg aagagtccaa   1920
ttttgtcact tccaggctat cacttatgtt cggtggaagt tattgccccc tttattaagt   1980
tttacttttg gttcttcctg tttgggaatt ttaagggtgg aaacttcaat ttttaaattt   2040
c   2041

<210> 3199
<211> 514

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(273)
<223> similar to gi1710216 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 3199
```
tttttttttt ttaaaaggga gtcttactct gttgctaggc tggagtgcag gggtgcaatc      60
taagttccct gcaacctcca cctcctgggt taaaacaatt ttcctgcctc agcctcccga     120
ggactgggaa tataggtgca cgccaccaca cccaacaaat ttttgtactt ttagtacaga     180
tgagggttca ctatgttggc caggatggtc tcgatctctt gacctcatga tccacccacc     240
tcggtctccc aaagtgctgg gattacaggc ttgagccacc gggtgaccgg cttacaggga     300
tatttttaat cccgttatgg actctgtctc caggagaggg gtctatccac ccctgctcat     360
tggtggatgt taaaccaata ttcctttcaa ctgctgcctg ctagggaaaa actactcctc     420
attatcatca ttattattgc tctccactgt atcccctcta cctggcatgt gcttgtcaag     480
ttctagttgt tcaataaatt tgttaataat gctg                                 514
```


<210> 3200
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> similar to gi5457053 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 3200
```
gacgccacgg acacgtcgcc tttcgtgctg tactcgatgc agacggctac gacgccctgc      60
gctgagctgg tgcacgagtc ggccgagcgg atctacatgg tgacaacggt ggtgacggtg     120
aacgacgact ctgcctagaa tgtctggctg tcgtaccagc tgctcaaggc cacgtagcct     180
ggcctgttcg gtgtgtgggc gcacgatgac gaggtgcgca cgtccaggat gctgagcgag     240
cgcgtcgcag ccaagcagag gctggtggtg ctggtcaagg acaatggcga gccttcgcgc     300
tcggccacgc cacagctgca cgtggttctg gtgacgggct actccaagcc tttctccgct     360
tcctatagct ggcccccggc cagacccagg ccaactcgct cactgtctac gtggtggtgg     420
cgttggcctc ggtgtcgtcg ctcttcctct attcggtgct cctgttcgtg acggtgcggc     480
tgtgcaggag gagcaggtcg gcctcggtgg gccgctgctc gatgcttgag ggcccctttc     540
cagggcgtct ggtggacgta agcggcaccg ggaccctgtc ccagagctac caatacgagg     600
tgtgtctgac aggaggctca gaagcaagtg agttcaagtt cctgaagccg attatcccca     660
acttctctcc ttagggcact aggaaagaaa tagattaaaa ttccaccctt cacaatagct     720
ttggatttaa ttattgatag gaacccattt gataaattcc ttaacttctt atgattgtct     780
tgttgattaa attgttcatg ctcaccacca ccaataaggt attttctct gattgttagt     840
tcaaattata ttgttaattc cagtttccct tttcctcata tttaccccga agaggtgttg     900
```

```
catatagaat cccaattaac aaaatatact ttatcttcaa agttgatgtc atttaaaatt    960
tttccgtctt tatattttat ttacttccta ttcatttttt gctccatttt tcatgttact   1020
tctcagtttc ctagaacttc aagtattaaa ataacctgtt gcatgtatta ggcatatttc   1080
ctatgttaca tttcttttgt ctattttcct ttcaaaattg gtatttttgt tgggctcaat   1140
tttcattata atacttttct taaagccgct ttctttcttt tcttttcttt cttttttttt   1200
tttccttttt ggaaacgggg ttttcttttt gccccccccgg ttgaagggca gggccaaatt   1260
ttgtgtg                                                              1267
```

```
       <400> 3201
tctggcggaa ttacacagaa ccctacctga gcaggcaccc ccaatttgct caatattttg     60
ttgacttcag agaaacaaag aatggtttta gaaaaagcta aggaaaaggc tgatcttatt    120
cacactgact ctcccagtaa tccagtaagg gcagctgctc atattgcagt tcccacctct    180
gacctgggat ggaatataaa cactggagat agatctaacc ttgaacacta tcaaaactgc    240
attttgatca gcctctgcaa gggagtgccc aagcaaagga gcctcaataa ggtccaggat    300
ggtcaagcag aagcctaatg agggttgctt tggaattctt agaacaagtc tttgaagctt    360
tcagagaata aatggatatt gacccagaag ccccagaaaa tttgatgata gctaacatga    420
tgtttatcca acaaagtgcc ccagatattc agagaaagtt acaaaacgta gctgaggcat    480
tggacatgtt tttgtctcaa ttagtgaaga ttgttttaa tgtatttact gatcacaagt    540
ttaaagagtg gaaaataaaa cacaaggaat aatgaaaatg gcaagctgac ttgttatctg    600
tggctctgac cctagtagtc cctggaccac aacaagggcc gtcatcagac actccatcta    660
tggtagaacc acctgggccc ccaaaagcca ataaaaacgg acatcccatt gcaggtccca    720
accagtgtgc ttactgcaac aggggggaca ctgaatggaa aatttctcat gccttacaaa    780
gcctgatgtt aaacagtcag ccttctgccc accaaatgcc tgggatagct ggngagcttg    840
agagagatac taaagaanaa gaccagaaat ggtaa                               875
```

<220>
<221> misc_feature
<222> (12)...(754)
<223> similar to gi6002478 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 3202
agtgtggtgg aattctttgt attcatcagg gagtacacac agggaaaaag ccctataaat   60
gtgaagagtg tgggaagggc tttgatcaga gctccaacct tcttgtccat cagagagtcc   120
acactggaga gaagccctac aaatgcagtg agtgtggcaa gtgctttagt tcaagctccg   180
ttcttcaagt ccactggagg tttcacacag gggagaaacc atataggtgt ggtgagtgtg   240
gaaagggctt cagccaatgt acacaccttc acattcacca gagagtccac acaggggaga   300
aaccatacaa atgcaatgtg tgtggaaagg attttgcgta tagctctgtt cttcacactc   360
atcagagagt tcacactgga gaaaaaccat ataaatgtga agtgtgtgga aagtgcttca   420
gttacagttc atattttcac ttacatcaaa gagatcacat cagagagaaa ccatataaat   480
gtgatgagtg tggtaaaggc ttcagccgga attcagatct taatgttcac ctcagagtcc   540
acacaagaga gaggccctat aagtgtaagg catgtggtaa gggcttcagt cgtaattcat   600
acctccttgc ccatcagaga gtgcatatag atgagacaca gtacacacat tgtgagcgtg   660
gaaaggacct tctgactcat caaagactac atgagcagag agaaacatta taaatgtagt   720
aagtcagggt tcaattagta aaacagaagc cacactgtat tccagatgat agaggcttac   780
tcagcctgtg ggagggctag gggagcaaaa gacagggaca ctgccatcga taatgtcagc   840
ctgcagcact gaagtgtgcc aggccaagga ctgtggattt caagaacttc tgtgaagctc   900
ccatcaactg ctgtatgcta caatggcaag aggttacttt tgacaaatgg gtggtttgtg   960
gtagtggttg tagttagtgg tcaaatttcc attaaagggt gtgtccagga aggaaattct   1020
aattgggatg atcatggtaa ggtcttcagt tcagccaacg tctttagatt ttttttagt   1080
ccccagtaga aaaatactct ctgtatgaag aacattcaaa agtgtgctca aaaatgaaac   1140
ccatgctctt actatgaaag aacgttagta cccaggtttt ccatgagatt ctctacacag   1200
gcaagaagct ccatagaagt ggcatttgaa gggtgtggca gaggcagtgc tgtgtttatc   1260
acactggttc catttccttg caaataagaa gtctatttcc cagtaacct tgcagttaag   1320
agtgtgccca tgtgattgag ttctagccaa tggagtgtga gcaaaagtga tataagccac   1380
tttcaggtct agcctttaca aacatcctca ggcttctcta tccctgccaa ggtgaccttg   1440
gaggctgctt attccagact gggttgatag aaggtcacta cttcatctgt gttggatttc   1500
tttttagagt aagaaataaa agttcattgt gtctcaccac tgaaa   1545

<210> 3203
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(376)
<223> similar to gi2072955 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 3203
cccacgcgtc cggacatatg ctactcaaac tgtcaagaga cagagacaaa tagaatcttg   60

```
aaagtagcaa gacaaaaatt acttttcatg tacatgggct cctcaataac attaacagct     120
gacttctcat cccacatcat gaaggccaaa aggcaatggg atcatatatt caaagtgcta     180
aaagaaaaaa ctgccattca agaattctgt atccagcaaa actatccttt aaaatgagga     240
gaaattaaga cattcccata taatcaaaaa ctgagagaac ttgtcattag cacacctacc     300
ctacaagaaa tactaaaggg agtccttcat actgaaatga aaggatacta gacagcaatt     360
caaatccaca ttaagaaata aggagcacca ataaagactg tatatatgta tataattgat     420
agtataaatt tacttttctt t                                               441
```


<210> 3204
<211> 1859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (444)...(1058)
<223> similar to gi337485 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 3204
```
acccagtccc tgagagagct catctcagat ctggagcatc ggctgcaggg gtcagtgatg      60
gagctgcttc agggtgtgga tggcgtcata aaaaggacgg agaacgtgac cttgaagaag     120
ccagaaactt ttccaaaaaa tcaaaggaga gtgtttcgag ctcctgatct gaaaggaatg     180
ctagaagtgt ttagagagct gacagatgtc cgacgctact ggggtaagga gaagtcacat     240
tatcataagc caccctgcgg cttatcatta ttattatctt tatcttttag aattttatgt     300
tctctattag gctcatgttt taagatttat gattctcctt ccaagacaca cataacttac     360
ccctccttat aacttctaaa caaggttcct cccagttttc tctcaagtct ttatcaagat     420
ttctctcata tcacaaataa agttacatta tatcccttag ctgacctgtt aatttttcta     480
cagttgatgt gacagtggct ccaaacaaca tttcatgtgc tgtcatttct gaagataaga     540
gacaagtgag ctctccgaaa ccacagataa tatatggggc acgagggaca agataccaga     600
catttgtgaa tttcaattat tgtactggca tcctgggctc tcaaagtatc acatcaggga     660
aacattactg ggaggtagac gtgtccaaga aaactgcttg gatcctgggg gtatgtgctg     720
gcttccaacc tgatgcaatg tgtaatattg aaaaaaatga aaattatcaa cctaaatacg     780
gctactgggt tataggggtta gaggaaggag ttaaatgtat tgctttccag gatagttcct     840
tccatactcc ttctgttcct ttcattgtgc ccctctctgt gattatttgt cctgatcgtg     900
ttggagtttt cctagactat gaggcttgca ctgtctcatt cttcaatatc acaaaccatg     960
gatttctcat ctataagttt tctcactgtt cttttctca gcctgtattt ccatatttaa    1020
atcctagaaa atgtggagtc cccatgactc tgtgctcacc aagctcttga accttcttac    1080
acactcagcc ccttctgtac agcacctctt gtccaggtgc atctcataca cctgaactca    1140
tttgcatcat tttaaccatc ttttccttgc tgtctccctt ctttctattt gaacgtcctt    1200
cactcatcag taaaatgtaa taattgcctt gtgccatatt gtccccaata ttttattgac    1260
atttgatagc aattttttttc atcattttcc gtactcctaa ggaaaactga cctatacctc    1320
ataaaatgag accgctattt aggtattact tctgccagat atttatcacc caattgcctc    1380
tgacactgac taagaagatg aagaaaagct tttcaacagc ctttctatat catcgtgtga    1440
taattgttca ccaatgaatg agtccttagc cctgtgtcag tttaccctcg atgcccttat    1500
ttgtgagtta aagagaaaat atcataaatg gtatactctt aagtatagag gttttgtatc    1560
tagaggatct cagttcaact cctgtctctc catataccag cagtgtaact gtgaataaca    1620
tacttaaatg gctgtgctta tttcctttc ttttcttttt tctttttttt ttttttggaa    1680
aaaaaagttt tgttttgtc ccccaggctg gagtgcaatg gcacgattct cggttcactg    1740
caacctccac ctctcagatt caaggcaatt ctcctgcctc agcctcccaa gtaggctggg    1800
```


1978

<210> 3205
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(820)
<223> similar to gi337663 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3205
```
ggaaggaacg gggtggccac gagctgtgag ggagatggat ttcacggaca accagacagg       60
cctcggtggt aacaacgaaa gggaaaactt agaatccaga attgctacaa atgtattatc      120
taaaatacaa agaagtatga cagtgtgacc catactgagg aagaacatca tcagtagaaa      180
ctgtctgagt gtccagatgt tgaatttagt aaaggcttgg aaacaacttg tggatggagc      240
agtagaaatt atccattctg aagaacagag agaaaaaaac aagaaaaatg cacagagcct      300
cagaaacccg tggtacaaca tctgctgtac caaagcatgt cgaatggggg ttccaggaga      360
gaggaaagat atttgttaca ataatggtta aaaactttcc aaattttaat taaaaaatat      420
gcacattcaa gagcacagga agtttgaact agaataaatg caaagtcaca tcatagtcaa      480
actggcaaag gccaaagaga aaatgttgaa aggcgtcaga gaagaatgac ccatcccatg      540
aaaggggagc ttcaataccg ccagccactg acttcttaga acaatggag accagaaggc      600
agtggagtgg catactcaag ctgctcagag agaagaacca tcagccagga atcaaaaccg      660
ttctacacaa gtgaaaggga acgaacgaca ttccctgaga agcagagact ggtgggattc      720
attgttggcg aaacctgcct taaaggaaat actaaaggaa gaccttcaag ttgaatagaa      780
atgacaccag acggtaactt gaatcctcag gaaggaagga caggcactgc agatggcaag      840
tgtaggttga cgtcaatatc ctgtaaatat ctctcctcac atcttaggtt ttactggaac      900
tacgattgta taaataatt acactgttgt catggtatgt ggcataaatg gactgcacaa      960
agaagacagg gtattgagct ct                                             982
```

<210> 3206
<211> 1773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1559)...(267)
<223> similar to gi4263748 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3206
```
tttttttttt ttgttcaatg aacataaaat aattttatta aatataacaa aaattaaaac    60
ataacaaaag tatcacagta ttatagtacc atttaaatat aacatagaaa aatactacaa   120
aataagaaat acaaagacaa aagctaggta agattttat ttactatgat gggtgtgctt   180
gcctgttcat aagttcattc cagtctggaa cacaggaaga taatgctacc cgcataactg   240
ctgcacaatt cagcccattt cttttccttg tttttaactg cgttaagatg gaaaacccta   300
gttcacacaa actagttgtt gtgaatggta gcaatagcca ggacactctt tctacttaac   360
aatggaaagt cttcctttac cttcatccaa aatgctgata aacttaaggt ttcataatca   420
ttcttcaatg tatatgaaga actaagctgc aataattcat tctcttcttc aggcaccaag   480
tttagctcaa ttattgattc agggtttcga aaagcaaatg gatcttttac ccaactgttt   540
tcccttaatg tttcaaattt ttcttctgga aagaaatggt taaaagtttg agacagagaa   600
gtgagatgca acaatatctc taattttatt tctttcaaaa tgttttcatt aataatattc   660
tcttcaatat gctgcaaaaa tcttggaaac atgtaatagc taggacgatt actttaagt   720
cttacttgcc ataacaataa tgtctttcga aatccctgga tacgttcaac atgttggaat   780
acatcactgt ttttcccctg tagttttaaa ctcagttcat taagaatgct aaaaatatca   840
gttaaatatg ccaattttgt tacccaagta tcatcttcaa aaatacttgc caaatgagat   900
ttttttttcaa tgagaaaaaa gtgaatctca ttcctgagct cataaaccct gcttagtatt   960
ttcccttgag acaaccacga atttttggta tgatatagta agtgggtatg attagttcca  1020
atctctgaac aaaatgtttc aagaagccgg ctattcaatg agcttccttt aataaaatta  1080
acaactttca ctgcatttt caatacctcc atgagattct gtggaatttc tctggatgct  1140
aaaccttcac gatgtataaa acaatgattc cacacagcac cattattagt aacttctagt  1200
aattttttaa ttactctgct atgttttcca gtcatggttg ctgtgccatc acttgtaatt  1260
cctttacagt ttttccagtt taatttatat tggccaacta tgcgcctttc taattctgta  1320
aaaatatcta atccacttag gtgtgaggtt aaatttaaaa aacacaaaaa atcctccaaa  1380
aaatcatctt gccacgcata tctgacataa actaaaagtg ttgtgcagct tccaatatca  1440
gtgctttcat caagctggat tgcaaaatct atcccagact gtaaacgagt aataagcatt  1500
gtttataaat gttctgcaat agtacaaatt cgaagagata ctgtgttatc attaggtata  1560
gtttttaatt tatcagctga tttatcatca aatattgtac gcaccatatc caaacatgct  1620
ggaagaataa tttttttcagc agctgtgtta gctattttct cttttgccac acgatatgca  1680
cctaaatatg atgataataa gacaactctc tacagcagta gaacacttaa gaaattgtgc  1740
gggggcgtgg gtcgacacgg gaattcgggc gct                               1773
```

<210> 3207
<211> 1799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1789)...(626)
<223> similar to gi186774 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3207
```
tttttttttt ttctttaaa ggtttatct tttattagca tttcatcctc acaaaaatac    60
tattaggtgg tactgttatt accattttaa aaaccaaggc acagggcat gttttgccaa   120
acaccacata ggcagaggtg gaattatgag aattatatta tttatatata tcataaagat   180
aggccaaggc tggtctttcc catgttcatt acattaacag aatcattttc cgttacagtg   240
ctatataaag tgtggtccat gtgttgacac tggcccacaa attgtttgct tctggtctct   300
gcaaaagtta tagataccaa gagcaagtat ttagaaatgt ttgcagcaat ctgacagagt   360
```

```
taactcagtt aaataccata ataaaaaact ggggctttta ttttgtatgt ctgttttttt      420
cgttttcatt tttcgtggta atctatttat ttatttattt aagagacaga gtcttgctct      480
gttgcccaag ctagagtgca gtggtgcgat ctcagctcac tgcaacctct gccacttagg      540
ttcgatgcaa ttttcctgcc tcagcctcct gagtagctgg gattacaggc accccccaca      600
atgcctagct aatttgtgta ttttagtaga gaaggggttt caccatgttg gccaggctgg      660
tcttgaactc ctgacctcag gtgatctgct cacctgggcc tcccatagtg ctgggattac      720
aggtgtgagc cactgtgcct ggcccgcatt ttatttattt atttagagac aggatctcac      780
tctgtcacca agctggagtg cagtggcaca atcatggctc actaaagcca tgaggcaggg      840
tctcactatg ttgcccaggc tggtttcgaa ctcctgtctt tccacagtgc tgggattaca      900
ggtgtgagcc acttcacctg gcccattatt attgcatttt agagaagcac tgttcaacaa      960
cagtttgtag gggaaaaggc ccttgatggt ttgggatgca gtgcatcagt atcaatcttc     1020
taaagcctaa cagggactga gtgatgctat agtctttcga ctctttaaca tacgaaataa     1080
tttctgataa attgtgagca tgaagtaaaa gggattccca catgttccgt aacaaacaga     1140
aaatttctta aattacaaat tctctgctaa agggcatttt ctaaaggcca tcgtattctc     1200
tttacattat gcataggact tcctcactaa tatgatttct ctgatgtaaa gtaagttgat     1260
cactacgaat aaaggctttt ccacattctt tacattgata gggttttttca ccagtatgaa     1320
ttctgtgatg tcgagtaagt tctgaattaa cactgaaggc tttcccacat tctttacatt     1380
tatagggttt ctcacccgtg tgaactatgt gatgtcgagt aagttctgct tgaagacgaa     1440
aggcattccc acattcttta cagctataag gtttctcacc agtatgaagt ctaaaatgtt     1500
gagtaagatg ataccgacga ctaaaggtct ttccacattc cttacattca tatggaagct     1560
caccagtgtg aattctttga tgtaatgtaa gtcgataact gcaaataaaa gcattcccac     1620
attcattaca tatgtagggc ttctcaccag tatggcctct gtgatgttga gtaagatgat     1680
agtgccgact aaacgtcttc ccacattccg tacattcgta gggtttctca ccagtatgaa     1740
ttctgtgatg ttgcgtgaga tgagtgctac gaataaaggc cttcccaccc acgcgtccg      1799
```

<210> 3208
<211> 1140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (808)...(408)
<223> similar to gi3242240 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3208
```
actctcacaa ttaaaacatt tggaaaggaa ttaatggtgt atttccatta gggaaagtgc       60
tgacaagccg caagggatcc cttgatggtt ctgggcatgg gcgcccagcc tgggctctgg      120
ctttgggagc agcgagggga atgtgtctct caccccdtagg cctcctggtc tggctcctgc      180
tcaggccaca cggcgcaccc accccagcg cgcctcagtc caggtcactg ggcagggtgt      240
ttactgctgc gctccaaccc aagcatgtag atttcagaag gggactagga ccccggcag      300
gtgtttgaga ccaccggctc ccaagtgcgt cgccttgggg gtttgcatcg gctcctcagc      360
ctccccaggc aatctctgtg tagggtcggg agcgggaggt ctgagttgag ccgggtgcct      420
gagatctccg gtgcaggtcg ggggagggga gcccccctcg ggctgtggtt agagcgggag      480
aggaacttcc cagactagct ggcacagagc ctcgggaagg cggcgggcac tgcaggtggt      540
ttacgggaag tgctgcagcc ttggggtggg gacagcgtgg ccagacccac cgcctcatct      600
gcacacctgg gctcaagcgc taatgacgac aggggactga gtgaatggga cccccatgga      660
cccgcgcgcc tgccccacgc catggcctgg gtttcgggag ccttgctttta ttctgcctcg      720
ggtcggaggc tgggggagcg agacctccag tgcccgtgcg gctgggggag agggtggagg      780
```

```
ggccacttag atgtaggagt catcaccacc gggcgcatcg tagggacccc cacccctccc    840
cgcgccctcg ccctcatcgc cgctgccgga gtcactggcg ccatccacgt ccagggtggg    900
cgcgttgaga acgaccacgt ctgcctccgt cccgatgtcc tcgccaaacc agacagcctt    960
gtacccgccc tctggccgcc gctccttggt caggatggac ctcaccgccg tggggcttcc   1020
gccagctcgg gccgctgcgg ggggctcaag ggcaccgcct ggggaggcag ggccgggggg   1080
tgcgggctat gcgggcatcg gtgcctccgc gggcttgggg tcgtgcgtgg ggctggggac   1140
```

```
        <210> 3209
        <211> 2948
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (16)...(2214)
        <223> similar to gi4079809 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


        <400> 3209
ccccctttgt caacaacaac ccggggaacc tcttacacat ggggccaaaa agccgctacg     60
gcccggctgg ggcacagcga acagtgaagg acccagctga aagccgaaag ctggtggaag    120
gcgctgcagg gcccaccgtg tggttgacat cgcctgtggc agtggagatg cccagaccct    180
ctgcctcaca gatgacgaca ctgtctggtc ctgggggggac ggggactacg gcaagctcgg    240
ccggggaggc agcgatggct gtaaagtgcc tatgaagatt gattctctta ctggtcttgg    300
agtagttaaa gtggaatgcg gatcccagtt ttctgttgcc cttaccaaat ctggagctgt    360
ttatacctgg ggcaaaggcg attatcacag gttgggccat ggatcacatg accatgttcg    420
aaggcctcgg caggtccaag ggttgcaggg gaagaaagtc atcgccatcg ccactggctc    480
cctgcactgt gtgtgctgca cagaggatgg tgaggtttat acatggggcg acaatgatga    540
gggacaactg ggagacggaa ccaccaatgc catccagagg cctcggttgg tagctgccct    600
tcagggtaag aaggtcaacc gtgtggcctg tggctcagca cataccctcg cctggtcgac    660
cagcaagccc gccagtgctg gcaaactccc tgcacaggtc cccatggagt acaatcacct    720
gcaggagatc cccatcattg cgctgaggaa ccgtctgctg ctgctgcacc acctctccga    780
gctcttctgc ccctgcatcc ccatgttcga cctggaaggc tcgctcgacg aaactggact    840
cgggccttct gttgggttcg acactctccg aggaattctg atatcccagg gaaaggaggc    900
ggctttccgg aaagtagtac aagcaactat ggtacgcgat cgtcagcatg gccccgtcgt    960
ggagctgaac cgcatccagg tcaaacgatc aaggagcaaa ggcgggctgg ccggcccccga   1020
cggcaccaag tctgtctttg ggcagatgtg tgctaagatg agctcgtttg gtcccgacag   1080
cctcctcctt cctcaccgtg tctggaaagt caagtttgtg ggtgaatctg tggatgactg   1140
tggggggcggc tacagcgagt ccatagctga gatctgtgag gagctgcaga acggactcac   1200
gcccctgctg atcgtgacac ccaacgggag ggatgagtct ggggccaacc gagactgcta   1260
cctgctcagc ccggccgcca gagcacccgt gcacagcagc atgttccgct tcctgggtgt   1320
gttgctgggc attgccatcc gaaccgggag tcccctgagc ctcaaccttg ccgagcctgt   1380
ctggaagcag ctggctggga tgagcctcac catcgcggac ctcagtgagg tttgataaag   1440
gattttattc ctggactcat gtacatccga gacaatgaag ccacctcaga ggagtttgaa   1500
gccatgagcc tgcccttcac agtgccaagt gccagtggcc aggacattca gttgagctcc   1560
aagcacacac acatcacccct ggacaaccgc gcggagtacg tgcggctggc gataaactat   1620
agactccatg aatttgatga gcaggtggct gctgttcggg aaggaatggc ccgcgttgtg   1680
cctgttcccc tcctctctct gttcaccggc tacgaactgg agacgatggt gtgtggcagc   1740
cctgacatcc cgctgcacct tctcaagtcg gtggccacct ataaaggcat cgagccttcc   1800
gcatcgctga tccagtggtt ctgggaggtg atggagtcct tctccaacac agagcgctct   1860
```

                                    1982

```
cttttccttc gcttcgtctg gggccggacg aggctgccca ggaccatcgc cgacttccgg   1920
ggccgagact tcgtcatcca ggtgttggat aaatacaacc ctccagacca cttcctccct   1980
gagtcctaca cctgtttctt cttgctgaag ctgcccaggt attcctgcaa gcaggtgctg   2040
gaggagaagc tcaagtacgc catccacttc tgcaagtcca tagacacaga tgactacgct   2100
cgcatcgcac ttacaggaga gccagccgcc gacgacagca gcgacgattc agataacgag   2160
gatgtcgact cctttgcttc ggactctaca caagattatt taacaggaca ctaagatggg   2220
gaaacgtcct cgtgagatga gagcctgagc caggcagcag agcactcgct gctgtgtaga   2280
ctgtaggctg cctggtgtgt ctgatgagaa gcgtccgtcc tcgagccagg cgggaggagg   2340
gagtggagag actgactggc cgtgatggga atgacagtga gaaggtccgc ctgtgcgcgt   2400
ggaacactgt ggacgctcga cttccaaggg tcttctcacc cgtaatgctg cattacatgt   2460
aggactgtgt ttactaaagt gtgtaaatgt ttatataaat accaaattgc agcatcccca   2520
aaatgaataa agccttttta cttgtgggtg caatcgattt ttttttcttt ctcctttctt   2580
tcaagtgtcg tgagtcgtct tgattgtata ttggaaataa ctgtgtaaca aatcgtatta   2640
taaatatttc aattaatttt actctgaatt tgtttattaa aagacttttg aacatgaaat   2700
gattagtatt acttgaatgc atccagagga taatttaaac caaaatgaaa aaccagaagg   2760
ccatttggtg tcccctctcc caggtgtccc cttgtagcat atgcattatg tcatctgaat   2820
tgaggccttt ctgtgaacag catcataact tctatcatgg aaagtgtact atatataatg   2880
tttgtgtcat gtatatgcct aaattttaat tatctataaa taaaacatct gacataaaaa   2940
aaaaaaaa                                                           2948
```

<210> 3210
<211> 3630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(103)
<223> similar to gi3449294 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3210
```
ctggctccgg ctgcgagcag ggatgtccgc ccgggcggta tgggccaggc tgtgaacagc     60
tgtgtgggtg tctcaacggg ggctcctgtg atgcggccac gggggcctgc cgctgcccca    120
ctgggttcct cgggacggac tgcaacctca cctgtccgca gggccgcttc ggccccaact    180
gcacccacgt gtgtgggtgt gggcaggggg cggcctgcga ccctgtgacc ggcacctgcc    240
tctgcccccc ggggagagcc ggcgtccgct gtgagcgagg ctgcccccag aaccggtttg    300
gcgtgggctg cgagcacacc tgctcctgca gaaatggggg cctgtgccac gccagcaacg    360
gcagctgctc ctgtggcctg ggctggacgg ggcggcactg tgagctggcc tgtccccctg    420
ggcgctacgg agctgcctgc catctggagt gctcctgcca caacaacagc acgtgtgagc    480
ctgccacggg cacctgccgc tgcggccccg gcttctatgg ccaggcctgc gagcaccct    540
gtccccctgg cttccacggg gctggctgcc aggggttgtg ccggtgtcaa catggagccc    600
cctgcgaccc catcagtggc cgatgcctct gccctgccgg cttccacggc cacttctgtg    660
agagggggtg tgagccaggt tcatttggag agggctgcca ccagcgctgt gactgtgacg    720
gggggggcacc ctgtgaccct gtcaccggtc tctgcctttg cccaccaggg cgctcaggag    780
ccacctgtaa cctggattgc agaaggggcc agtttgggcc cagctgcacc ctgcactgtg    840
actgcggggg tggggctgac tgcgaccctg tcagtgggca gtgtcactgt gtggatggct    900
acatggggcc cacgtgccgg gaaggtgggc ccctccggct ccccgagaac ccgtccttag    960
cccagggctc agcgggcaca ctgcccgcct ccagcagacc cacatcccgg agcggtggac   1020
cagcgaggca ctagtagagg cagtcccgtg gagcccgcct ctccagtccc agccagaggg   1080
```

```
gaccctggcc tttggtgacc actgagaagg acacttcacg ggcccagagc tcctggtact    1140
gcccttcctt tgagggccgt ggagggctgt ggacagccca gcaacctgtc gctcttggag    1200
gctggtgtgg ccttgaggag ggaagcctcg catggccgct ggaagagagg cgcctcctgg    1260
cctggctctg cagaacccag gggcacgctc tgggcctggg ctgaggaagt cccgctctcc    1320
ccgcggctct gagttggact gaggacaggt gtgggcgcca gtgtgggtgc aggcgcaggt    1380
gcaggcacag ggccactgtc ctccaggcag gcttttggt gctaggccct gggactggaa    1440
gtcgcccagc ccgtatttat gtaaaggtat ttatgggcca ctgcacatgc ccgctgcagc    1500
cctgggatca gctggaagct gcctgtcatc tcctgcccaa tccccagaaa ccctgattca    1560
ggtctgcagg ctcctgcggg ctcaccaggc tgctggctcc ggtaccatgt aaacctagga    1620
aggtaaagga gcaggcaacc tcctcgtggc ctgtgtgttt gctgtgttac gtggactctg    1680
tgtgggctcc tccctggggc ccggccagca taacggtgca cccagggacc tcccagtgca    1740
cccggggccc tttgcagggg tgggggtgcc acacaagtga agaagttggg actcatctca    1800
gttcccagtg ctattgagga gaacgctggg gctgcattca ttaccgctga acccagaga    1860
ctggctgttc ccagagaatg gcccagggg aggagggctg gtgtggaggg gcaacctgga    1920
ctgaggccga actcccttgg gctcacccca cccaccccta cctgagcatc agcagtgggg    1980
ggagggcagc atcgcagggg cagggactcc ctgggtgagg acagaccagc cctcccgagc    2040
acctggcact catgggctga ggctgacttc tcctggaaga agggcccaga gtggaaggaa    2100
gaggcagagg gtagaggtgg tggctggggg ctcctctgca gagtgggggtg gccaatggag    2160
agggctgcac tcacaccgca acataggact ctctctccct taagaaggcc cccttagggt    2220
ctgggctgcc gcccccatca ccctaaaacc agccaaggta gctgaggccc cagggcagac    2280
aatttcacca gcaggaggag gaggagtcca gtgagcttgg ttgctcacag acagcaaggg    2340
agctgtcaca gaggaagctg atgaatggac cgctgtgggg agactttaaa gtagaacagt    2400
gataagggag ggcaggatgg tggggatgca gaagcagcag ccagagagag acggactggg    2460
gtgcagacgg agtgtggaaa acgcatacct tgaaatgaag catccagcag atggggtgag    2520
tggatacagc tcaggagatt ctcccaggaa tagcagggag gcgtaaagag agacaacgta    2580
cagagataga tgaatggaaa tgggtaaggg aggtgttcat tcacatccat ctaactgcaa    2640
aatacaaaag taagaagtca ttgacatgaa gcaacgacga ccaagacgtt ctcagatcta    2700
aaggtgaatg atctcagtca gcctggaaat gcacaaggtg gaaaaataac ataaaaaagc    2760
cataagacct tgaagaacat caatgtcaaa gataaattct aaagtcccag agaaaaaaga    2820
atgggaatca aattgacctc agactatacg tgagaaacac ggagagccag aaaactgtga    2880
tgttccatcc tcagagtttg aaggaaatat ttgaaggctg aattttacat ccagctaaac    2940
tatcaaaggc atgcaaagtc catgttattc ttaggccttc aagctcaggc atttttctac    3000
agaaaagcct gattttaaaa tgctcttaga gacggttctc cagccagaag agaaagaagc    3060
caggagggtg ctctgagata ttcagtcacc acagttccca aatggcctag gaattcagag    3120
agtcagaata tcaccattac tccccaatgg gaacccccga cagtctcagc atggtgtgag    3180
ggtgtggacg gggggcctgg caggtaccaa tcactcatcc cgctcagtga agacacagtg    3240
ttcagctacg gaagccataa ggcaggccga gcttctgccc atccggagga aatctcagct    3300
atccaacggc ggtcaggagc agaggaaaat aaagcagaat aactagaaaa cacgctcaca    3360
gatcctaatg ttaacggtta caaatgacga cggaaaaaca aactcctgac catatattat    3420
atagtttcaa gcagcaagaa ggaggatatt gaacattctc aacacacata ataaacgctt    3480
gagatgatga tatgctcatt accctgattt gatcactaga catcccatgt atcaaaacat    3540
cactgtgtat ccgatgaata tctacaatta ttgtcaatta aaaacatcat taaaaacaga    3600
ctagactgca ttaaaaatat aaaaaaaaaa                                     3630
```


<210> 3211
<211> 1092
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1093)
<223> n = a,t,c or g

```
<220>
<221> misc_feature
<222> (1058)...(781)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 3211
cttttttaaat tgggttatct tttgttaagt tgttaagttg attcctagta ctggactttt       60
atcaggtaag tgatttgcaa gtattttctc ccattctgta ggttgtcttt cttgataata      120
tcttttaata tataaaagtt ttaaatgtta atgaaatcca atttattttt aaataaattg      180
gatgtatatt gttgctcatg ctgttggtat cataaataag aatttattgg caaaatcaag      240
gtcatgaaga tttatcactt tttcctttat ccctaggttt tatagggttt gctcttacat      300
ttaggtcttt aatatatttt tgtatctagt atgaggtaga gatctaaatt cgttcttaag      360
catgtggata ttcgcctgtc tctgcactat ttattgcgaa gagtatcctt ttctcattaa      420
atggtcttga caccettgtt gaaaatcagt tggccataga tacatgggtt tatttctgtg      480
ctctcagttc tattccattg atctgtatat tatactttg ctagtaccac actgttttgg      540
ttactgtaat tttgtagtaa gttttgaaat cagaaagcat agagttcttc ggttttttct      600
tcttttttcaa gtttccttta gctacagagt ttcctgcaat tgaatgtgaa tttgaggatt      660
ttcctttcca tttctgcaaa aacagccaat taggtttga taaaaattgc attgaatctg      720
tagatcaatt tgggtagaag ttgccatttt aaaaatattt agccttccgg gccaggtggg      780
gtggctcacg cctgtaatcc cagcactctg ggaggctgag gtgggcagat acctgaggtc      840
aggagttcga gaccagcctg gccaacatga tgaaaccccg tctctactaa aaatacaaaa      900
attagccaga cgtggtggca ggcgcctgta atcccagcta ctcaggaggc tgaggcagga      960
gagtcccttg aacccaggat ggggaggttg cagtgagcca agatcatgcc attgcactcc     1020
agcctgggga caagagtgag gcttcgtctc aaaaanaaag aattccnccg cnctgngcta     1080
atggactcga tg                                                         1092




      <210> 3212
      <211> 433
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc-feature
      <222> (3)...(399)
      <223> similar to gi483915 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 3212
aacagattca ggagctgaat aaaaccccaa caagataccc atgctatgac acattcataa       60
taaaactcct aaaactaaaa gcaaagaaaa aaattgataa catccagaaa gaaaaggaac      120
gacacattgc tgatagaagt cccgttagat tgacagccga cctctcatct gagaccctga      180
aggctcaaag gatgcgccac aaggtacttc aagcactgaa atgaaagacc tgtcaaataa      240
attctctatc cagtgaaaac acacttcagg aaatgaaggg gaaatgcaga tgttctccaa      300
caaggaaaac gaagaggaat tgttaccaac gagctcaccc ttgaagaatg gctaaaggag      360
cttctccaca cagaaaggaa ataactggag aaaacctgga atcttgttag caacgacaac      420
```

<210> 3213
<211> 2389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1541)
<223> similar to gi1816586 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3213
gcccggattc ttctggataa tgaccattac gccatggaaa aattgaagaa aagagtactg   60
gaatacttgg ctgtcagaca gctcaaaaat aacctgaagg gcccaatcct atgctttgtt   120
ggccctcctg gagttggtaa aacaagtgtg ggaagatcag tggccaagac tctaggtcga   180
gagttccaca ggattgcact tggaggagta tgtgatcagt ctgacattcg aggacacagg   240
cgcacctatg ttggcagcat gcctggtcgc atcatcaacg gcttgaagac tgtgggagtg   300
aacaacccag tgttcctatt agatgaggtt gacaaactgg gaaaaagtct acagggtgat   360
ccagcagcag ctctgcttga ggtgttggat cctgaacaaa accataactt cacagatcat   420
tatctaaatg tggcctttga cctttctcaa gttctttta tagctactgc caacaccact   480
gctaccattc cagctgcctt gttggacaga atggagatca ttcaggttcc aggttataca   540
caggaggaga agatagagat tgcccatagg cacttgatcc ccaagcagct ggaacaacat   600
gggctgactc cacagcagat tcagataccc caggtcacca ctcttgacat catcaccagg   660
tataccagag aggcaggggt tcgttctctg gatagaaaac ttggggccat ttgccgagct   720
gtggccgtga aggtggcaga aggacagcat aaggaagcca agttggaccg ttctgatgtg   780
actgagagag aaggttgcag agaacacatc ttagaagatg aaaaacctga atctatcagt   840
gacactactg acttggctct accacctgaa atgccgattt tgattgattt ccatgctctg   900
aaagacatcc ttgggccccc gatgtatgaa atggaggtat ctcagcgttt gagtcagcca   960
ggagtagcaa taggtttggc ttggactccc ttaggtggag aaatcatgtt cgtggaggcg   1020
agtcgaatgg atggcgaggg ccagttaact ctgaccggcc agctcgggga cgtgatgaag   1080
gagtccgccc acctcgctat cagctggctc cgcagcaacg caaagaagta ccagctgacc   1140
aatgcttttg gaagttttga tcttcttgac aacacagaca tccatctgca cttcccagct   1200
ggagctgtca caaaagatgg accatctgct ggagttacca tagtaacctg tctcgcctca   1260
ctttttagtg ggcggctggt acgttcagat gtagccatga ctggagaaat tacactgaga   1320
ggtcttgttc ttccagtggg tggaattaaa gacaaagtgc tggcggcaca cagagcggga   1380
ctgaagcaag tcattattcc tcggagaaat gaaaaagacc ttgagggaat cccaggcaac   1440
gtacgacagg atttaagttt tgtcacagca agctgcctgg atgaggttct taatgcagct   1500
tttgatggtg gctttactgt caagaccaga cctggtctgt aaatagcaa actgtaggtc   1560
caaatctcaa ttttttagaa ttttaagtta tgaagtgctc aaaggtactg acacagttga   1620
ttttattcac accattaggg gtatgcaaga tgtccctgtt ttataaacat aatcacaaca   1680
gtaataaacc tcaagtagtg gctagtgttt agtatagaaa tataagatgt tgatttagta   1740
aactgataaa aaccgaattc ttgtcttttt agtgggatcc ttactggccc tggaaagata   1800
tagcatagtg gttctcagca cagtctccag aacagaagca tctgtagtac ctggtaactt   1860
gttagaaatg tacattctca ggctccacag caggccgcct gaatcaaatc ctgggaggtg   1920
gggacagaaa tctgtgtttt aagaagcctt ccaggtaatt ctgctgcaca ctcaagttca   1980
ggaaccaccg gtatagacca ttaccttagt ggatttacct gtagagttta ttggatcctg   2040
aaaccaatca attacttaga actaggcaaa gatgaaagta tagccaacta ttcttggcta   2100
tatatatata ttcaagtggg ccgggcgtga tggctcacac ctgtaattcc agcactttgg   2160

```
gaggtcgagg taggcagatc accgagccca agagttcaag acaatcctgg ccaacggcga    2220
aactctgtct ctacaaaaaa tatacaggcg tgttagcatg tgcctgtaat cccagcttct    2280
tgggaagctg aggcacaaga attgcctgaa cccaggaggt ggaggttgca gtgagctggg    2340
atcgcgccat tgcactccag cctggctgac agagcgagac tgtctctaa               2389
```

```
        <210> 3214
        <211> 2650
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (23)...(1515)
        <223> similar to gi2833649 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3214
tgcggtggaa ttctcagccc atggtgcccc tggctgtgga gaaccaggct gggggtgagg      60
gtgcaggcgg ggagctgggc atctccctca acatgtgcct ccttggggcc ctggttctgc     120
ttggcctggg ggtcctcctc ttctcaggtg gcctctcaga gtctgagact gggcccatgg     180
aggaagtgga gcggcaggtc ctcccagacc ccgaggtgct ggaagctgtg ggggacaggc     240
aggatgggct aagggaacag ctgcaggccc cagtgcctcc tgacagtgtc cccagcctgc     300
aaaacatggg tcttctgctg gacaagctgg ccaaggagaa ccaggacatc cggctgctgc     360
aggcccagct gcaggcccaa aaggaagagc ttcagagcct gatgcaccag cccaaagggc     420
tagaggagga gaatgcccag ctccgggggg ctctgcagca gggcgaagcc ttccagcggg     480
ctctggagtc agagctgcag cagctgcggg cccggctcca ggggctggag gccgactgtg     540
tccgggggcc agatggggtg tgcctcagtg gggatagagg cccacagggt gacaaggcca     600
tcagggagca aggccccagg gagcaggagc cagaactcag cttcctgaag cagaaggaac     660
agctggaggc tgaggcacag gcattaaggc aagagttaga gaggcagcga cggctgctgg     720
ggtctgtaca gcaggatctg gagaggagct tgcaggatgc cagccgcggg gacccagctc     780
atgctggctt ggctgagctg ggccacagat tggcccagaa actgcagggc ctggagaact     840
ggggccagga ccctgggggtc tctgccaatg cctcaaaggc ctggcaccag aagtcccact     900
tccagaattc tagggagtgg agtggaaagg aaaagtggtg ggatgggcag agagaccgga     960
aggctgagca ctggaaacat aagaaggaag aatctggccg ggaaaggaag aagaactggg    1020
gaggtcagga ggacagggag ccagcaggaa ggtggaagga gggcaggcca agggtggagg    1080
agtcggggag caagaaggag ggcaagcgac agggcccgaa ggaaccccca aggaaaagtg    1140
gtagcttcca ctcctctgga gaaaagcaga agcaacctcg gtggagggaa gggactaagg    1200
acagccatga cccctgcca tcctgggcag agctgttgag gcccagtac cgggcacccc      1260
agggctgctc aggtgtggac gagtgtgccc ggcaggaggg cctgactttc tttggcacag    1320
agctagcccc agtgcggcaa caggagctgg cctctctgct aagaacatac ttggcacggc    1380
tgccctgggc tgggcagctg accaaggagc taccctctc acctgctttc tttggtgagg    1440
atggcatctt ccgtcatgac cgcctccgct tccgggattt tgtggatgcc ctggaggaca    1500
gcttggagga ggtggctgtg caacagacag gtgatgatga tgaagtagat gactttgagg    1560
acttcatctt cagccacttc tttggagaca aagcactgaa gaagaggtca gggaagaagg    1620
acaagcactc acagagccca agagctgcgg ggcccaggga ggggcacagc catagccacc    1680
accaccacca ccggggctga caccctgccc cacaggaat ggccttggcc tggcccagcc     1740
caagatccca gcgttatcta actcctggag ggtggactct gtcctggctt gtttggtgtc    1800
ctcagatatc tttcacacag tagagcaaaa tcaccagccc tgcactgatg tcactttatg    1860
tagaaaaagg ccttagctgg acctgcgttg ccgtctatgc aaatgcatgc aaatactcca    1920
ggccctggga tgtgggcttg tgttttgtca ctgtgaaggg ggagatggga gaggagcctg    1980
```

1987

```
ttttgggggtg gggtctgggg aaggcaatct gattctgaag ctaaagagct ttcatcctct    2040
tgagtgtatg tccccatagt gggcccccttg acccacatgc tgaccggtgc cttgggattt    2100
gactagagtt gctggctcga ggcccagcac gaggacttac cctggggttt tgttaggttt    2160
ggaagcagct gtccctaggg ggtgaagtcc ccccccttt ttttttacc cctgcttctc     2220
ccacgggctt cacctcccta tgtgaactgt agactcaaat cccaataaag tgctgttgca    2280
gctatgatgc taggtggttt ctaagcacag gggacacccc acacccccctg cctgaatgga    2340
tgggtccatc ccaggcactg gtacttgccc ccttgttctg tatccccctt tgcccttgcc    2400
ttgcccttcc aacaaaccct aggcccttga gaagctgata cttctccttt tgctcacagc    2460
tgccttggcc ccacccctgg gagatgtagc aaattgagtg tgggtttttgg agtctgagcc    2520
tcaggctcaa atccaggcca agtgatcttg ggcaagttaa tctctgggaa ctttgggttt    2580
cttatcctca aaaaaggcga tggaagggct ggggaagtga ttaaataaaa gcaacgcaag    2640
aaaaaaaaaa                                                          2650
```

        <210> 3215
        <211> 858
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (62)...(731)
        <223> similar to gi192264 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

        <400> 3215
```
gcggccgcca ctgccacctc ctcggaggac acgctggggc tcggcggtga agagtctgtt      60
tccggggccg cctctccctg gggtgccccc gaagcctgcc tgagggcctg ggggccattt     120
cctgcatccc ggggacccgt catcactctc acatggtggt caggacacag gacaaagaag     180
ggcccttctt ggatgaggag gctctcgtgg gtcagcctta aggcgttctc atccacatgg     240
acttggatgg ccgtctcctc ctcctcactg ggcaagagca gccagaaggc ctggtccatg     300
agcaggtttg ccaggcagtg atgagtgaag ccgagagcat ggtaggtgga aaacttccag     360
atttcttcaa aagtcttaaa cgtcaccacg atccggtcct ggtcactgtg gatggacagc     420
agcctggctg ataattcccc aagcacgcgg gccatctccc ggctatcatt ctccagcagg     480
cggagctggc cccggagggt ctgctgtagg ccggggtccc gcagtctgct cttcctccgc     540
acagccagca gctgcaggt caggtctgtg ggataaaccc ccatctggca gggagggggtc     600
ccagcagcag gcccagccac gcgggcagga ggagcctcgt cgcctctcac tggcgccttg     660
gcctcctcgg gccccgcttt ctcccagctc acagagggcc tcatgaccac agtccggacc     720
tggtcccggg tgctgccacc tcctgagggt cccacaggac ccctccccat gggggtcggc     780
tcctcagtgg tcacggcagg gaggttctcc atgacccgca gagacctcac atgcctggcc     840
ctgcggcgtg ttcctcag                                                  858
```

        <210> 3216
        <211> 483
        <212> DNA
        <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (33)...(483)
<223> similar to gi4680665 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3216
ggtcgaccca cgcgtccgcg gacgcgtggg ctgtcacaag aggcgttgag atcactgtga   60
attatctggg aatccagtgt gatgtgaaat tttggtccca acacatttcc tccattcttg   120
ttggaataat catcgccaca tccatcagag gattgctcat accacgttct tttatgccat   180
ctctagcagt aagtcctcca gtgtcaatgt cctgctatta gcacagataa tgggcatgta   240
ctttgtctcc tctgcgcttc taatctgaat gagtatgcct ctagaatatg caccataatt   300
accgaagtcc ttggagaact gcagttcaat ttctgttacc attggtttga tgtgatcttc   360
ctggtcagca gtctctctag catagtgttt ctctatttgg ctcacntaca ggcaccagag   420
aagcatatga caccttgaac ttanggctac tacagactgg tagaggccag tggtctcaaa   480
ttt   483

<210> 3217
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(93)
<223> similar to gi2072950 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3217
tttaaaaaat caaacaaatt ttagtacaaa aaatgcagta actaaaagag ctcaatgtgt   60
agatcaagta gcagattaga tggtgctgaa taaataatta atgaactgaa acgtcagaaa   120
acaatgcata ctgaagctca gagagataaa cagatggaaa atacagaaaa gagcataaga   180
gacttatggg atagggtaag taggcctaac atgcttctac ttgaagtctc agaagaagag   240
aacaaagaga atgggatага agcaatattt gaagagataa tggctgtgaa tttccctaaa   300
ctataaaaga cttcaagcca cagactgaag cattatgagc cccaaacagg agaaatacaa   360
agaaatacaa aacagctaga ggtaaaaaag acgtattatc ttcagtggag caacagcatg   420
gttgacagct gacttctgaa caaaagcaat ggaaagcaga tgacagtgga atgaaagtgt   480
agaaaggaat acccttcaaa aatgaaggtg aactaaagat gttttcagac aagaaaaata   540
tgagaaaata tatcgccagc agacttgcac taaaagaaat actaaatggc attatttagg   600
cagaaggaaa atgatcccaa atagaatctt agaaatgcag taaagaatga ggagca   656

<210> 3218
<211> 951
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(541)
<223> similar to gi829151 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3218
cataaattca ctgacggtgg agaaaccttc ctcaaggagt catacctcct tatacatgag   60
cgaactcata caagagcaaa agactgtgaa cacagtacct atagaaatgc cttcctcagg   120
aaccccgcca ttgttaaaca agagtgagcg cctagtgggc agaaatgtag tgattgtgga   180
acaacctttt ccaagaaatc aagcctttgt agttaatcag gaatttgaac agagaataag   240
cctcacaaat gaagtgaatg tggccccatc agtaataaat tatatcttgt atcttacaga   300
tattgtatca gaataaatct tctgatacca gaaaggtggg aaaatcttta gtaggaatcc   360
tccagccatt atatcccaga gagctcattt agggctgaaa cactgtggag gcagtggttg   420
tggaggacat ttctgtgaga agtcaaacct gttaaacacc attgaaatca tgttgggtag   480
aaatgcagct gttatgagga agtctttacc tggagatgat atctcaattg gtatcaaaag   540
aattcttaca ggaatattta tgaaagattg tgatggtgct tttagcgcta aattgtgcct   600
cgtgtgccaa agaaacatag acaactgtag aggcaatgga tatggaaaac atttttcgta   660
aaatatggga gaatttatag aaaagaaaaa ctcttgaaag taagaaatga tggcaactca   720
ccaaattaac tcatgtatca tacttttatg tcttgagagt cttggaggga cgtgtttaat   780
gaaatcttga accccaggaa tagtattatg taatgaaaac ctatgaatat aacaaatatg   840
gaagtaaaat tgtgttagtt tcttatgagt gttgcaccaa actaacacaa atttaatggc   900
ttaaaacaac acaaatcat tatcttacag ttctggagga ctgaagtcca a   951

<210> 3219
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> similar to gi2854198 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 3219
gcagacgcca gtggctttgg ctctgcagcg ccaaggaggc ggcgtggcgt catgctccgg   60
ggagcgcaca ggtttccttc cagtcgaaca attaacttca gatccagcag gtttgaccca   120
ccctcacctg ctgggacatg cgagtgctgg tgtctggaag gagggccggg ctgtgctgag   180

```
ctctggggggg ccggtcccca cagctccccc gacagggccc ccggggcctc ctctataaat      240
caggggtccg tgctcccagc ctgcttcgag gggtttctgc ttggcgtgtg ggttctaagt      300
gcgagctgct gtgtgtggag gctcctgagc accgggtgcc cctcgcgcgt gtgggtcccg      360
gggcagccca gctgcacaca ggatggtccg ggggtgcggg tggggggcaga gctgagcatg     420
gcgtgtactt ggccacagaa gtcttgctgt ggtgccgctg gaccccctgct aggaggacag      480
ggtcccctct ctcacgaagc acacggacct ccagagtccc tgcccctgca gtcctgggag      540
cctgcagttg gggctggagt tggcctctcg gagccaccca aacggagagg cccatgagag      600
gggagctcag gggtccagca gaggctgaca gagtggcctc tttgtcctgt tggcggcccc      660
tgctcatgcc tggggcgtcc tccctggagc tggggggagct cagggacccc caggtctgtg      720
tggctgcccc tgccactcca ggcacagcgg cacggccctc actctttacc tatttggaat      780
tggaggcaat gagtggcaag aacatgatga cagacacggg aggtaaaaat atgttcactg      840
gctgttccct ttataaataa gaagtggtgg gacttgcgct gctattttta aatagaccag      900
agagtacact ggagaaggca ttgagtggtt ttat                                  934
```

```
        <400> 3220
accaagcttg gcacgaggga ggcaggagaa tcgcttgaac ccaggggggtt taagttgcat      60
tgagccgaga tcgtgccact acactccagc ctgggtgaca gagtgagact ccatcttaaa      120
aatataaaaa taaagtggtg gtcagaggag ccccgaatag accagttgtg gagaggcctg      180
ggtggggtgg ctggcaggga gggcaggcca agcccagttt ctgcccacag tcacctcgag      240
gtgactgtcc agggctttgg gcaccttccc gggaggggga cggccgccca ccctgagtgg      300
tgttggaagc tgggctctcc tggatgccct gacccagctg cctggggaga gccctgggcc      360
cctcctccct cagcacctcc tccctcagcc cctcctgcct cggtccctcc tcccttagcc      420
tgtctggcat agatccatgt tccctagccc ctggcacagg tgcctctgac tggaggaggc      480
cccacctgtg gcccgggagc tgctctgggg gttgataaag ggcagcatta ttgggtcctg      540
ggaaggagcg ggcgtgaggc cagctgaggc atggtgaccc ctgggaagga gcgggcgtga      600
ggccagctga ggcatggtga cccctgggaa ggagcgggcg tgaggccagc tgaggcatgg      660
tgacccctgg gaaggagcgg gcgtgaggcc agctgaggca tggtgacccc tgggaaggag      720
cgggcgtgag gccagctgag gcatggtgac ccctgggtac gggggacttg ggggccgcac      780
cttggtttgc ccagggcccc tcctgcacca cgggccacat gcgg                       824
```

<220>
<221> misc_feature
<222> (1796)...(115)
<223> similar to gi4972748 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3221
gcggctctac ttcctttatt gaggtctcaa gttccagcct ccgcccgtct cgggacaaga   60
ccaggcgggg ttctgcacgc ggccgcccgg gcaagcccag cagatgcccc gtcaggagta   120
ctcgcagagg tgggccgcag cctgcgggaa cagtgggaag ctgccttcca gccacttcat   180
gatgtgctgc aggtggccgc cgtggctgca gccctggcac cacacgaaga gacccttgac   240
tacgtggtgg cagacggcac acatgctggc gcacgtgtgg ccacctgtcg cagaacccag   300
ccccggctgc tcatgggccg cttgcagtgg ctgcagttga cgtgcagggt ggtggaggcc   360
tggttgaggc agctgacggc gcggctggtg ctcagcttga ccacctcgtt ggacacgttc   420
cagaggcgga agcgctgcag caggtcgatg taggaagtgt accagtgctc ctgggtctgc   480
tcgtcgatgt ccttgcgcac ccgttcaccc aggacgatga gcacagacac agccatctgc   540
acgtcgccct gctcagcgta gaagtgcagc atgtcgcgca ccagcacgcc gaagaagtcg   600
ggcggcaggc ggctgtcgta gagcgcgtgt gagacagaca ggagcgagaa ggaggagtcc   660
acggggccca gggaggccac atccgcctcg ctgccgctca cgtgcgggga gtcggccttg   720
tcctgcaggt gctcgggccc gggaggcgtg tccacgatct cgtggcgcag cggaaaggcc   780
tcctgcggca gcacgcactc agggtcctcg gggtgcgcgt gttccggatc cagcaggtac   840
agctcgtcct cctcaccttc cacgtcaccc agcaggtagt cggcaggtac gtcgctgccc   900
tcggtttcct cgttatcctc attggtgatg agtgtggccg aggagtcgag cagaactgtg   960
tcgctccgcg catctccttt gctgcggtcc agccgcgtct cactgcccaa ccctggggcc   1020
atatccttca ggttgaaact gttcatgagc gggaggccac aggagccacc cttgcccaca   1080
ctgtggttga ggtttgcagt gggcactagg ccagggctgc agtagatgat ccgcagcatg   1140
gtccacgttt gcgccacctg gttgcggcca agctctcgag ccacctttgc gttgtggtca   1200
cagagctcgg ccagtggccg gccagccagc gcataacgct cagctgtgtc cacaaaccag   1260
cgcatgccgc cgccacctgg ctccgtctca aagacactga gggcactgga ggcgaggcct   1320
gcgaagggct cggcagggtc cagcttgcgc ttaaagaaga tggggtggcg ccggtcgcca   1380
gtgtagggct tgcgccccga ctcggcagcc acgaggctct ccttggcggc gaaggccagg   1440
tccccgaaga ggccgtagca gaggccctca gggttggcgc gctcgacggg ttggctggcg   1500
tcgcggaaca ggtgctggca cagcgagctg tccttggagc cagacagcag gaaggagggg   1560
tcgtgggggt ggcgccaggc aattcccgtg gtgacgtctc ggtgttcctc aaacatggca   1620
gctggcacga agggccggcg cacgtcccaa acatagatgt tgtggtcccc catcatggag   1680
cacgtggcca ggtggtggcg gcactctggc cgccacttca cacgggccac cgaggcgatg   1740
gtctgcacac agtgcatctc cttggcacgg tgcgtggtca tgtcccagac ctcctcgtgc   1800
caagcttggc tgaatgtc   1818

<210> 3222
<211> 2170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2137)...(1281)
<223> similar to gi3695113 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 3222
```
ctgtaatttt cttccagagc cagcaattct ggcaacacta cactttcgat ttatagcaaa     60
gcacacaagt agcagtgtct ttgaaaagaa aggataaaag aatcaatgaa aaagttacta    120
gttcttaaag atctgtgtct cattcgagga acttaaggac ctctccctca atctaaaagc    180
agaatgcact cttgctgctt actcccagca tgccctcagc tgttcctatt tactcctgga    240
ggaaggcaat gatatttgag tctgggttat caacaatcct ttaatttttt attttttattt    300
ttttccctgg gatttcgaac caatatactc ctagcctgaa caacatagaa catttccttt    360
ccattttggt agaaattatt ttttaatgta aattatattg tgttctattt gtttccaatg    420
tcttgaaaag ttcaatcact tctccaaatt ctccgaataa acataagaaa atatctctcc    480
ccagcactac ccggtccccc agtatcacca tcctaaaggc acttccactt cctctatcat    540
cagggaagga gtgtgcagtt ctgatttagc tcctcagtgg agtaaaggga atttagagga    600
agggggattt ctgcagaaat tgtcagttac acaagtaagt tcctcttggt tccccgtttc    660
atcaaaagtg aaaaactgtt cacaggagtg cccatgtccc ctgtttccct atgcatcact    720
agagccaaga ggggactccg ccagcaaggc accctctgct ctgtcccgca gatcacagtc    780
cccgactttc accccattgt ttgtgcaatg tgcagaactg gagcccaaag cagcgggctc    840
aggatcactc tccaggcccg gcgggcccat agactccttc cttggctggg aagaggggct    900
ttcgtgaaag cagagcttga caagccccag tactgtcatg gtcaagatca ccaacactac    960
tactgctgtg ctcacaaata tgaagaccac ggcagaggag gagtcgaaag cctgaggagt   1020
ggcagaggaa gtcgtagaat taaacttgga aatcacgctc cctgatgggg tgatagtggc   1080
ctttgactcg gcttgaaggg acatttgaag ggtagacatc gtgctctgtg atccccatcg   1140
aggaatctca ggaatagatg ttactgaatt gtcttgttca gggacaagtg gtgtctctcc   1200
cagcttctcg tcgaccctga ttggccatgt tctctgcggc acggggctgg ttgcagtggc   1260
cggcgggcgc ctggtgggca ccccggtccc cccaagggtc ggctgtcctt ccccactggt   1320
cacacaagaa gcggaccgtc cttccccagc tcgaagcccg tagcacattc gcaggcaaag   1380
cctcccaagt cgtctaggca gttagggagc tctgcgcatt tgccagcacg gaggtacctc   1440
ccggggcagg gacacaacac atcgcccgag agtttgtccc agcgagcgcc gatttcgtcc   1500
gcgatgcaag taactgagat cgggagctgt ccccggcaga gcgcactcac ctcggtccca   1560
ggtggactga agtccagagc ggcgctgtgc agctggaagg gcgcgcgata gctcaagtta   1620
gaggcggccc cggggcgcgg cgcaggacac aagacctcaa actggtactt gcacaggtag   1680
ccgttggcgc gcaggtggca tcgcatctcc ttccagcctg cgggctcgac cccaccggtg   1740
gcctggagta ccgcgcatct ccgcgcggtg caggagcgtt ggggctcctc cacccactgc   1800
agcgtgtcgc tttcgagacc gccggggtcg gaggacagcc aggagaaacc ccgcaaaggc   1860
tcgttctcca gggtgcagtg ggaacgcctg cgctccagtg cgacccagaa cagcaggtct   1920
ttggagcccc ctccgggccc tgggcctgcc cgcaggagcg cgagcacagc gcgcagctcg   1980
gcgcccgcac gcacggtgtt gagcgcccca cctcgcagga tgcaggcctc ctcggccgcc   2040
tgccgcttca tggtagcgtg gtgcagcctg tagcaggccc ccgaggccgt gcagccagca   2100
aggtcggatg tggggtgttg gccgccgccc ggcccgggcc agagcgcctg cccctcatgc   2160
caagctgagc                                                         2170
```

<210> 3223
<211> 1836
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(758)
<223> similar to gi2429362 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3223
```
ctgccccatt ccctggcctg gtttcctaac ctcttcttcc tcccctgccc tgcttccctt    60
cctccaccac cctgctctca aaggcctcct ctccagaccc ctggaaggga ggcttcccca   120
tctttagttt tccactctgc cccggggggc accttctac tcctagccac gtcccttggg   180
accggtggga ctggaggagg aacggtcacc ctcctcccccc atggaggttt ccaggggtcc   240
cccagacatg aaagaggggt gagctggagg aagtcatggt gtcactgggg tacaggggg   300
tgaatgaagg gcatgcaggc cctcagcccg ggctgtgcca gccctcccag ccccaggccc   360
atctgaggga ccaagacgct gttacgcagg cccttctttc cagctatcag cactttcagc   420
atcggctctt cagcagatcc aaaccccctc agcaacttgc agaggacctg tccccctctca   480
aaagtcccct ggcctagggt ggggaccccc aaacctacgg caaagccagc aacagtagca   540
gcctgctccc atttgctggg gaggagatca tcttgttccc ctggcccccc actctccctc   600
catgtccatc caaaaaccat aaaatcactg ggttccacat cagcctccat gaggccaagc   660
cttgtacctg caaggctctt ggcctaacca ttcctctgtc ctcttctctg gcctgcctgg   720
ggagcccgtg aaggccgcac gggtgcctcc agcctgagac atcaggggag agcctgcagc   780
tgagttcagc agaaaggagg aatcctggcc ctcaggaaga agatagtcac atgtttttct   840
tccttgtccc cacagccccc agaacaacat tctccctgct ggcagcccctt ccatgtctcc   900
aaacctgggt cagagtgaaa ggacctttgg gggtgggtgg gagcaaaggg cccacctgct   960
ggttggtgaa agcagtggtg ccggagtgct aggtaccgca cgagagggtg cgggggcttg  1020
ggaagcagac cagggttgga caaaacccca tgagggcggg gagctggaag aaaagtctct  1080
tggggacctc tggggcaagg agctgagaag tcctgcagca ccaggtgaga cttgcttaca  1140
gtggatgcca cttctaggcc tctggaccgc agatgccctc ctccctcctg cacacctggc  1200
ctcctgggcc tccaggtaaa gagagagagc cagcccagcc ctgtttcccc tcagtcctcc  1260
tttgctcctg ctgcttctcc caacagccca ctgttaggag gtagtagacc ccagcctcaa  1320
ggctctgacc ttcttcatgt gggcacagag ggtcctgaca ctctggcagg gcctgagctg  1380
gggcaggcct ccctcagggc caggggcgat ggcaccccgg ggacaggcag acctccttcc  1440
tgccgtcagc acccccttcc ttatcactgt ctggtctccg agcttcggct gcagcctgag  1500
gtgtgtcctg ggctcctcag agcctgaagc aagctttggg aagcctgcag tcctcccagc  1560
tccagtgcaa aagcctctct ctccagcctt tccccaggca ggagttgggg ttgggggcct  1620
ctgtccctca tcgcttacct tggaaaggtg ggaagctggc aatctgcacc ttggggcctg  1680
ggctcccctt ctctgtgcca gcggcttccc agcacctggg aggggctgca gccccagctg  1740
gactccagcc tgtccctctt agcactctag ctgccccact ccagggcagg gactcgaaac  1800
cccctccgtc ctgagcagcc acctccaggg ccctgt                            1836
```

<210> 3224
<211> 1771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1770)...(545)
<223> similar to gi488555 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3224
```
taatcacaaa aaaattttat tatgtttgaa gaaagcttaa aaatttgtgt tggtctgcat    60
tcaaagccat cctggcctgc gggttggaca agcttgatct aaagcttttc ccaagttcct   120
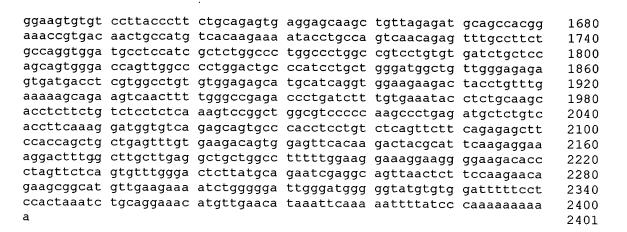```

```
cacagtatta gtttcctagg gttgctgtac aaaataacag actgaatgat ttaaccaaga      180
gaaatttatt gcctcacagt tctggagcct ggaagtgcaa tatcaaggtg gagacagggt      240
tggtttcctc tggaggccat aatgaaagca tctgttccag gtctctgtcc ttggcttgta      300
gatggccatc ttctggtgga tccacacagt cttctccatg tgtatccttc cttcagtttc      360
ccttataggg acaccagtga tgtcagatta gggatcgaac ccaacaacct catttgaagt      420
tactcacctg tttgaaaacc ctatgtccaa atacagttat agtgtaagga actaggactt      480
agggcttaca aatatggagt ggggcatcat ccagaccata ccatttaaat tgcagggttt      540
ctctccaatg tgagttcaca tacacacatt aaggtttgtg ggattcagaa aggtattccc      600
agattctcta cattcatacg gtttctctcc agtgagattt ctgatgtgtt tggtaaggct      660
tgagaattca gcaaagtcat ttccacattc cctgatgcag ggtcttctcc actgtgaatt      720
catatgtgtt cattaagacc tgagatacaa agttgcttcc acatttttac attcataggg      780
tttctcccca gtgagttttc atgtcttcag agagaacagg gacacctta ggttttccca      840
cattccttat gctgacagtc tctcatccgc atgccttctt tcatgatttc gaaaggaact      900
ggaagaactg aaggctttcc cgcactcctt acattcatag ggtttctctc cagtgtgagt      960
tcgttcatgt aactgaaacg aattggagta actgaaggat ttcccacact gtttacattt     1020
gtagggtttt tctccagtgt ggatccgcat gtgaaggtta acacacgtgg gaaacttaaa     1080
ggctttgcca cattccatac acgtgaatgg tttttttggcg ctgtgggtcc gcatgtgatt     1140
attaagactg gaggaatgcg taaatgcttt accacattcc aggcactcaa agggcttctc     1200
tccagtgtga attctcaaat gtccactaag atttgaagaa atagcaaagg ctttcccaca     1260
tttgacacat tcaaaaggct tctctccagt gtgagttctt gtatgttcac taaggcgaga     1320
ggatctggca aaggcctttc cacattcctt acattcatag ggcctctctc cactgtgagt     1380
tcgtgcatgc ttagtaaggt ctgagttctg agtgaaggct ttcccacaat ccttacattt     1440
atagggtttt attccagtgt gaattcgaaa gtgatcactg aggcatgagg aatttctaaa     1500
ggattttcca catatcttac attcaaaggg atcctttgca gtgtgagttt ttaaatgttc     1560
agtaagttga gaagatctag tgaaggctat cccacattcc ttgcattcat aaggcttctc     1620
acccacatgg attttcatat gttgacttaa gcaagaggaa acagtgaagg ctctcccaca     1680
atccttacat ttataaggtt tctctccagt gtgagttttt ctgtgctgag taagttgaca     1740
agacctggtg aaggctttcc cacactcctt a                                     1771
```


<210> 3225
<211> 1082
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(330)
<223> similar to gi1872200 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 3225
```
actactatgt tatttattta tttatttatt tagcggcagg gtcccgctcc gtcacctagg       60
ctagagtgca gtgatgagat cacggctcac tgcagcctca acctcccagg ctgaagcaat      120
cctcccactt cagtctccct agtagctggc actacaggca tgtgccacca aaccaggcta      180
attttctttt ttttattttt gtagagaagg ggtcttgctc tgttgttggt caggctggtc      240
tcaaactccc aacctcaggt gattcgcccg cctcggcctc ccaaagtgct gggattacag      300
gcgtgagcca cttatgcccg gccggatttg cccttattaa tggttatttc ttgtgaaaga      360
ttcttttgc ctttgcattc cttttattct gtttattccc ccatgcctca cccaaagagt      420
tgcacggtca attggcccgt gaaggggacg cctactttca aacaaggcag acaggacacg      480
acaggacggc ggctcatagc acagactttg gattgcagtg gatgggacca gatcctggct      540
```

```
ccacttctcg ctagctgtgt ggccctgggc aagctgctta acctctctgg gcctcagttt        600
ctcccctgt aaactggggg atgtgaacag cgcctgcctc cgagtcctaa ggattgggag        660
tagtcgtgta aagtgctcag gtccacaggc catcaatact aatagttaaa aattattctt        720
agaatcttgc ttccctcagc tccctgaaag gccactaagg caccccagtt gcagaggcca        780
aaggtccggg aggcttcaca gccacggctg tgccccaggg tcttggcccc ggcccacctg        840
catgtaggtg atgggctcca gctgggcggc ccggagcttc cgcagctgct ccttgtcctt        900
cctcaggtct gtcttgcagc cgatgagcac catgggatc ccgcggcaga aatgcgtgac        960
ctcagggaac cactgtggag ggaggaggcg ggatcagggg cgcggccggg cccagatgtg       1020
gggccaccac ccaggaggcc ggcctcacct tgatgaggac gttgtcgtag ctggtgggat       1080
tc                                                                       1082
```

```
<400> 3226
agttaatctc tttggctggg cctacagatg acatacagag tacaggcccc caggttcatg         60
ctttaaatat ccttagagca ttgttcagag atacgcgcct gggagaaaat attattcctt        120
atgttgctga tggagctaag gctgcaattc tgggtttttac atcaccggtc tgggcagtgc        180
gaaattcatc cacacttctc tttagtgcct tgatcacaag aattttttgga gttaaaaggg        240
caaaggatga acattccaaa acaaatagaa tgacagggag agagttttttc tctcgtttcc        300
cagaactcta tccttttctt ctcaaacagt tggaaactgt agccaataca gtagacagtg        360
atatgggaga accaaatcgt catccaagca tgtttctctt acttttggtg ttggagagac        420
tctacgcttc cccgatggat ggtacttctt ctgctctcag catgggacct tttgttccct        480
tcattatgag gtgtggtcac tcacctgtct accactcccg tgaaatggca gctcgtgcct        540
tggtcccatt tgttatgata gatcacattc ctaataccat tcgaactctg ttgtccacac        600
tccccagctg cactgaccag tgtttccggc aaaaccacat tcatgggaca cttctccagg        660
tttttcattt ggtgcaagcc tactcagact ccaaacacgg aacgaattca gacttccagc        720
acgagctgac tgacatcact gtttgtacca aagccaaact ctggctggcc aagaggcaaa        780
atccatgttt ggtgaccaga gctgtatata ttgatattct cttcctattg acttgctgcc        840
tcaacagatc tgcaaaggac aaccagccag ttctggagag tcttggcttc tgggaggaag        900
tcagagggat tatctcagga tcagagctga taacgggatt cccttgggcc ttcaaggtgc        960
caggcctgcc ccagtacctc cagagcctca ccagactagc cattgctgca gtgtgggccg       1020
cggcagccaa gagtggagag cgggagacga atgtccccat ctctttctct cagctgttag       1080
aatctgcctt ccctgaagtg cgctcactaa cactggaagc cctcttggaa aagttcttag       1140
cagcagcctc tggacttgga gagaagggcg tgccaccctt gctgtgcaac atgggagaga       1200
agttcttatt gttggccatg aaggaaaatc acccagaatg cttctgcaag atactgaaaa       1260
ttctccactg catggaccct ggtgagtggc ttccccagac ggagcactgt gtccatctga       1320
ccccaaagga gttcttgatc tggacgatgg atattgcttc caatgaaaga tctgaaattc       1380
agagtgtagc tctgagactt gcttccaaag tcatttccca ccacatgcag acatgtgtgg       1440
agaacaggga attgatagct gctgagctga agcagtgggt tcagctggtc atcttgtcat       1500
gtgaagacca tcttcctaca gagtctaggc tggccgtcgt tgaagtcctc accagtacta       1560
caccactttt cctcaccaac ccccatccta ttcttgagtt gcaggataca cttgctctct       1620
```

```
ggaagtgtgt ccttaccctt ctgcagagtg aggagcaagc tgttagagat gcagccacgg   1680
aaaccgtgac aactgccatg tcacaagaaa atacctgcca gtcaacagag tttgccttct   1740
gccaggtgga tgcctccatc gctctggccc tggccctggc cgtcctgtgt gatctgctcc   1800
agcagtggga ccagttggcc cctggactgc ccatcctgct gggatggctg ttgggagaga   1860
gtgatgacct cgtggcctgt gtggagagca tgcatcaggt ggaagaagac tacctgtttg   1920
aaaaagcaga agtcaacttt tgggccgaga ccctgatctt tgtgaaatac ctctgcaagc   1980
acctcttctg tctcctctca aagtccggct ggcgtccccc aagccctgag atgctctgtc   2040
accttcaaag gatggtgtca gagcagtgcc cacctcctgt ctcagttctt cagagagctt   2100
ccaccagctg ctgagtttgt gaagacagtg gagttcacaa gactacgcat tcaagaggaa   2160
aggactttgg cttgcttgag gctgctggcc tttttggaag gaaaggaagg ggaagacacc   2220
ctagttctca gtgtttggga ctcttatgca gaatcgaggc agttaactct tccaagaaca   2280
gaagcggcat gttgaagaaa atctggggga ttgggatggg ggtatgtgtg gattttttct   2340
ccactaaatc tgcaggaaac atgttgaaca taaattcaaa aattttatcc caaaaaaaaa   2400
a                                                                    2401
```



```
        <210> 3227
        <211> 1691
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (33)...(1178)
        <223> similar to gi2661590 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 3227
ccgttttgcc ggttcgaccc acgcgtccga taagtgggag ggctcccctc aggcagtttg     60
aaggctcata caaaagcagt tcatacagta gattttacag ctgacaaata tcacgtggtc    120
tctggggctg atgattatac agttaaatta tgggatattc caaactccaa agaaattttg    180
acatttaaag aacactctga ttatgtgagg ggtggatgtg ctagcaaact taatccggat    240
ctctttataa caggatcata tgatcatact gtgaagatgt ttgatgcacg aacgagtgag    300
agtgttctct ccgttgagca tgggcagcca gtggagagtg tcctactttt cccctctgga    360
ggtcttctgg tgtcagcagg aggtcgttat gttaaagtct gggacatgtt aaaaggagga    420
caattgttag tatctttgaa aaatcatcac aaaaccgtga catgtttatg tctaagcagc    480
tctggacaga ggttactctc tggctcactg gataggaagg tgaaagtata cagcacaact    540
tcctacaaag tagtccacag ttttgattat gcagcttcaa ttttgagtct tgcccttgca    600
catgaagatg agacaatagt tgtaggaatg accaatggaa tactgagtgt taaacatcgg    660
aaatctgaag caaagaagga atcacttccc agaagaagaa ggcctgcata tcgaaccttt    720
attaaaggaa aaaattacat gaagcaacgg gatgacattt tgattaacag gccagcaaag    780
aagcacctag aattgtatga cagggatctg aaacattttc ggatctctaa ggcactcgat    840
agagttcttg atcccacttg tacaataaag acacccgaga ttacggtgtc catcataaag    900
gagttaaatc gaagaggagt ccttgcaaat gcgcttgcag gtcgggatga gaaggaaatc    960
agtcatgttc ttaatttttg ataaggaatc tttctcagcc aagatttgcc cctgttttaa   1020
tcaatgctgc tgaaataatt attgatatat atctgcctgt aattggtcag tcccctgtag   1080
ttgataaaaa gttttttacta cttcaaggac ttgtagaaaa agagattgat taccaaagag   1140
aattgttaga aaccttgggg atgatggata tgcttttttgc caccatgaga aggaaggaag   1200
gcacttctgt gttggaacac acatctgatg gatttccaga gaataagaag atagaatcat   1260
agtgtctgct aaataagaca tataagaact cttgaagttg gaatagattt gactgtatta   1320
aatgttggcg agagactctc ctttgataca ttaaaaaaac tgtttgcaga agcagttctg   1380
```

```
tggaagagac  tggaataatt  atggccgcaa  accaagtacc  cgttttaagt  aagacatggt      1440
tttccatgta  atattttgaa  ttacagcatc  ttcacctaga  agatctcaat  tgtcttagtc      1500
acagagtagg  tttatctggg  atggatatta  attttaatac  aggagtgttc  tgtatcaaca      1560
tttgggttgg  tattcagatg  ggaattcaaa  tatgaatcct  ctctggagag  ggtccaactg      1620
ggaatcctgc  taaaggagca  aagccttgta  ttacctctgg  aagacaacaa  aaacaattgg      1680
caacaacaaa  a                                                               1691



        <210> 3228
        <211> 1835
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(1348)
        <223> similar to gi488555 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 3228
accttatgaa  tgcaatgaat  gtggtaggtc  ctttattcag  agtgcacatc  ttactcaaca       60
tcaaagaatg  tatacaggag  aaaaactcta  tgaatgtaat  gaatgtgaga  aagccttcca      120
tgatcactca  gctcttattc  aacatcatat  tgtccatact  gcagagaaac  cctatgaata      180
tcatgactag  gaaaactttc  agttactgtt  cagacctcat  tcaacatcag  agaatgcaca      240
ctggagagaa  accatacaaa  tgcaatgaat  gtgggaatgc  ctttagtgat  tgttcatccc      300
ttattcagca  tcaaagaact  cacactggag  aagagcctta  tgaatgtaat  gaatgtgaga      360
aagccttcca  tgatcactca  gctcttattc  aacatcatat  tgtccatact  gcagagaaac      420
cctatgaata  tcatgactgg  gaaaactttc  agttactgtt  cagacctcat  tcaacatcag      480
agaatgcaca  ctggagagaa  accatacaaa  tgcaatgaat  gtgggaatgc  ctttagtgat      540
tgttcatccc  ttattcagca  tcaaagaact  cacaccggag  aagagcctta  tgaatgtaag      600
caatgtggaa  aagcctttag  cagaagcaca  taccttactc  aacatcagag  aagtcacgca      660
ggagagaaac  agtataaatg  caatgaatgt  gagaaaactt  tcagcctgag  ttcattcctt      720
acacagcaca  tgagggttca  gactggagaa  aaaccctaca  aatataatga  atatggaaaa      780
gcttttagtg  actgctcagg  acattttcag  agaactcaca  ctggagagaa  gccctgtgaa      840
tgtaatgact  gtgggaaacc  tttcagtttc  tgttcagccc  taattcaaca  taagagaatt      900
cataccagaa  agaagccctg  actgtacctt  cataccagta  aatgcactga  ctgtggaaaa      960
gccttcagtg  attggttagc  acttgttcaa  catcagataa  ctcaacactg  gagaaaaacc     1020
gtataaatgt  actgaatgtg  gaaaagcctt  cagttggagt  acagacctca  aaaatcacca     1080
gaaaactcat  actagtgaaa  aatcctataa  atgtaatgaa  tgtagaaagg  cctttagtta     1140
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taaatgtggc  aaagccttta  ggcagaggac  agaccttaaa  aaacatcaga  aaatgcatac     1260
cgaagagaaa  ccctatgaat  gtaatgaatg  tgggaaagcc  tttagccaga  gcacatatct     1320
tacaaaacac  caaaaaattc  atagtgaaga  gaaatcaaat  atacatactg  agtgtgggga     1380
aaccattaga  caaaactctt  cttttacaa   caataaaacc  tcacactgga  gagttctctg     1440
aatgccttaa  gaatttggtt  aatatggaga  cccttcccag  ggaaacagaa  ggaggatcgt     1500
gaaaaccgtt  gactacttag  aatgatcaca  tggtttagtg  gagagagcat  gattctgggt     1560
tttaaaagtc  atggatctca  atctcagctc  ctattactaa  ctagatcttt  tactttgggg     1620
taagtcactt  catatcttta  ggccttaatt  tcctcatctg  aaaaactgga  aggcctgact     1680
tgacttgttg  agcttaagat  cctcaattat  tatatttact  aggaattcaa  gtttctatag     1740
atgtggttca  gaattgtgac  ttatttattg  tacatcaggt  gtgattcaca  agtgagcttg     1800
tagtagttat  taaggagtca  ataaagatat  gatat                                  1835
```

<210> 3229
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1036)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1036)...(523)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 3229
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tacacaggca ggggaagttt taactaagac aaagacgatg ggggtattgg agctgagata   120
aataaacagc taactggcat atttcacttt tggttcttta ccatccatat gcactctcct   180
acacacatag gaatttcttt ggaataatta aacaagtcta tattcctacc taagaagata   240
tgagggaaga agtcctcacc cacccccaaa ggagcagatg cgcagttcaa acagtccttt   300
gtattcccat ggcacgccat gtcaattact cctcaaattt agtcccattc taactattct   360
gtttcttaaa gacaaaatta taaatgtaac ctctaataat gtgtatataa aataaaagtg   420
ggaaaaagat agaagtaaat ggttcattta aataaataaa cacatggata taaacacaca   480
tacgtataac aagcagagag aaaacatgca aaactacatt tcttgtttct gtcactggtc   540
ttgaggttgt agttgatgtc catggtttac ttcttcagtg actaattcca tattttccct   600
gccctccact tgaacctcag ctgctccggg ttttgtacca gggaggagcg atccaaatct   660
tcgttcgccc agagtccgaa tcctctgttg tcctgctttc gttcagttgt ggttttccat   720
taacctttc tatggagtat agaagtactc ggaggttcta cacttcatca cttcatcctc   780
cttgcctcaa ttgtctagca gtgccacagt tttcctttga taattgggat taaccactcc   840
agccagtaga ttaacttttt tctttttttt ttttgccctt tggtttaggg ggaaatgaaa   900
cccaaaaggg ccaagggga gtccctgtt ccaatggatt aaaacacaaa gttgggcccc   960
ccgtggggag ggctttccc cttggggnct taaaaaaaaa ctcccggacc cacagggcct   1020
ttgattggct ggaag   1035

<210> 3230
<211> 4945
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4946)
<223> n = a,t,c or g

<400> 3230

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cgaggatggc agcgacgtgg gcagggcggg gctctcctgg ggcagaatag tgtgcaccgc       180
caggctgctg gggcccagtg gctgcacgtc tgcctggctc ggctctccac tcaggaagct       240
ccggcccagg tggccgctgg ctgctgagct cacgccaagg tgcggctgtg gtggtggtgg       300
tggcggctgc aggctttgct gctgctggat gtttgctggc tgcaggttct gctgctgcat       360
ctgtaagttt tgtggctgca cctgctgggt ctgcaccagg tgaggctggg tggccagccg       420
ggtgctgggc aggccctggt agctcatcat ctgggacagg gcgctggcag caaggctact       480
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caggtcagcg gcatcccagg tgctgctgaa gtccactgcc ggtggtctgt ctggtcgtcc      2040
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